Asbestos Hazard Control Work Plan

Cluster 1 - 11

Cornell - Dubilier Electronics Superfund Site Middlesex County, New Jersey

Prepared For:

U.S. Army Corps of Engineers

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Operating Unit 2

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Asbestos Abatement Specification

for

Cornell – Dubilier Electronics Superfund Site

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1.0 REFERENCES

The publications listed below form a part of this specification to the extent referenced. The publications are referred to within the text by the basic designation only.

1. AMERICAN NATIONAL STANDARDS INSTITUTE (ANSI)

a. ANSI Z87.1 (2003) Standard for Occupational and Educational Eye and Face

Protection

b. ANSI Z88.2 (1992) Respiratory Protection

c. ANSI Z9.2 (2001) Fundamentals Governing the Design and Operation of

Local Exhaust Ventilation Systems

2. ASTM INTERNATIONAL (ASTM)

a. ASTM D 1331 (1989; R 2001) Surface and Interfacial Tension of Solutions of

Surface-Active Agents

b. ASTM D 4397 (2002) Polyethylene Sheeting for Construction, Industrial, and

Agricultural Applications

c. ASTM E 1368 (2003) Visual Inspection of Asbestos Abatement Projects

3. COMPRESSED GAS ASSOCIATION (CGA)

a. CGA G-7 (2003) Compressed Air for Human Respiration

4. NATIONAL FIRE PROTECTION ASSOCIATION (NFPA)

a. NFPA 701 (2004) Fire Tests for Flame Propagation of Textiles and Films

5. NATIONAL INSTITUTE FOR OCCUPATIONAL SAFETY AND HEALTH (NIOSH)

a. NIOSH 94-113 (1994; 4th Ed) NIOSH Manual of Analytical Methods

6 NEW JERSEY ADMINISTRATIVE CODE (NJAC)

a. NJAC 5:16 Asbestos Licenses and Permits

b. NJAC 5:23-8 (2000) Asbestos Hazard Abatement Subcode

c. NJAC 7:26-1 et seq. (2002) Solid Waste Regulations - Asbestos

d. NJAC 7:26C-1 et seq. (2003) Hazardous Waste Regulations

7 NEW JERSEY STATUTES ANNOTATED (NJSA)

a. NJSA 34:5A-32 et seq. The Asbestos Control and Licensing Act

8 U.S. ARMY CORPS OF ENGINEERS (USACE)

a. EM 385-1-1 (2003) Safety - Safety and Health Requirements

b. EP 1110 1 11 (1903) Ashertes Abstract Guideline Detail Short

b. EP 1110-1-11 (1992) Asbestos Abatement Guideline Detail Sheets

9 U.S. ENVIRONMENTAL PROTECTION AGENCY (EPA)

EPA 340/1-90/018 (1990) Asbestos/NESHAP Regulated Asbestos Containing

Materials Guidance

10 U.S. NATIONAL ARCHIVES AND RECORDS ADMINISTRATION (NARA)

a. 29 CFR 1910.134 Respiratory Protection

b. 29 CFR 1910.141 Sanitation

c. 29 CFR 1910.147 Control of Hazardous Energy (Lock Out/Tag Out)

d. 29 CFR 1926.1101 Asbesto

e. 29 CFR 1926.32 Safety and Health Regulations for Construction - Definition

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f.	40 CER 61	National Emission Standards for Hazardous Air Pollutants
g.	40CFR	763 Asbestos
h.	42CFR	84 Approval of Respiratory Protective Devices
i.	49CFR	107 Hazardous Materials Program Procedures
i.	49 CFR 171	General Information, Regulations, and Definitions
k.	49 CFR 172	Hazardous Materials Table, Special Provisions, Hazardous
		Materials Communications, Emergency Response Information, and Training Requirements
1.	49 CFR 173	Shippers - General Requirements for Shipments and Packaging

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UNDERWRITERS LABORATORIES (UL)
a. UL 586 (1996; Rev thru Apr 2000) High-Efficiency, Particulate, Air Filter Units

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2.0 **DEFINITIONS**

Abatement. "Abatement" shall mean any and all procedures physically taken to control fiber release from asbestos-containing materials. This includes removal, encapsulation, enclosure and repair.

Abatement activities. "Abatement Activities" shall mean all activities from the initiation of contaminated area preparation through successful clearance air monitoring performed at the conclusion of an asbestos project or minor project.

Aggressive sampling. "Aggressive Sampling" shall mean a method of sampling in which the individual collecting the air sample creates activity by the use of mechanical equipment during the sampling period to stir up settled dust and simulate activity in that area of the building.

AIHA. "AIHA" shall mean the American Industrial Hygiene Association.

Airlock. "Airlock" shall mean a system for permitting entrance and exit while restricting air movement between a contaminated area and an uncontaminated area. It consists of two curtained doorways separated by a distance of at least three feet such that one passes through one doorway into the airlock, allowing the doorway sheeting to overlap and close off the opening before proceeding through the second doorway, thereby preventing flow-through contamination.

Air sampling. "Air sampling" shall mean the process of measuring the fiber content of a known volume of air collected during a specific period of time. The procedure utilized for asbestos follows the NIOSH Standard Analytical Method 7400 or the provisional transmission electron microscopy methods developed by the USEPA and/or National Institute of Science and Technology which are utilized for lower detectability and specific fiber identification.

Ambient air monitoring. "Ambient air monitoring" shall mean measurement or determination of airborne asbestos fiber concentrations outside but in the general vicinity of the worksite.

Amended water. "Amended water" shall mean water to which a surfactant has been added.

ANSI. "ANSI" shall mean the American National Standards Institute.

Area air sampling. "Area air sampling" shall mean any form of air sampling or monitoring where the sampling device is placed at some stationary location.

Asbestos. "Asbestos" shall mean any hydrated mineral silicate separable into commercially usable fibers, including but not limited to chrysotile (serpentine), amosite (cumingtonite-grunerite), crocidolite (riebeckite), tremolite, anthrophyllite and actinolite.

Asbestos-containing material. "Asbestos-containing material" (ACM) shall mean asbestos or any material containing more than one percent asbestos.

Asbestos-containing waste material. "Asbestos-containing waste material" shall mean asbestos-containing material or asbestos-contaminated objects requiring disposal.

Asbestos-contaminated objects. "Asbestos-contaminated objects" shall mean any objects

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which have been contaminated by asbestos or asbestos-containing material.

Asbestos handler. "Asbestos handler" shall mean an individual certified by the Department who disturbs, removes, encapsulates, repairs, or encloses friable asbestos material.

Asbestos handler supervisor. "Asbestos handler supervisor" shall mean an individual certified by the Department who supervises the handlers during an asbestos project and ensures that proper asbestos abatement procedures as well as individual safety procedures are being adhered to.

Asbestos Inspection. Report. "Asbestos Inspection Report" shall mean a report on the condition of a building or structure in relation to the presence and condition of asbestos therein.

Asbestos investigator. "Asbestos investigator" shall mean an individual certified by the Commissioner as having satisfactorily demonstrated his or her ability to identify the presence and evaluate the condition of asbestos in a building or structure.

Asbestos project. "Asbestos project" shall mean any form of work performed in connection with the alteration, renovation, modification or demolition of a building or structure which will disturb (e.g., remove, enclose, encapsulate) more than 25 linear feet or more than 10 square feet of friable asbestos-containing material.

ASTM. "ASTM" shall mean the American Society For Testing and Materials.

person in whom beneficial title is vested.

Authorized visitor. "Authorized visitor" shall mean the building owner and his/her representative, and any representative of a regulatory or other agency having jurisdiction over the project, who possess current EPA/ NJ Licenses, are Medically approved and FIT Tested.

Boiler room equipment. "Boiler room equipment" or "fuel-burning equipment" shall mean equipment designed to burn fuel for the purpose of generating hot water, steam, and/or heat, including all ancillary equipment and associated piping. For boiler rooms other than those located in electric and steam utility generating stations, the ancillary equipment and associated piping shall be limited to that within the room containing the main equipment; or where there is no such room, located on the floor where the main equipment is located.

Building owner. "Building owner" shall mean the person in whom legal title to the premises is vested unless the premises are held in land trust, in which instance building owner means the

Certified Industrial Hygienist. "Certified Industrial Hygienist" (CIH) shall mean an individual with a minimum of five years experience as an industrial hygienist and who has successfully completed both levels of the examination administered by the American Board of Industrial Hygiene and who is currently certified by that Board.

Certified Safety Professional (CSP). "Certified Safety Professional" (CSP) shall mean an individual having a bachelor's degree from an accredited college or university and a minimum of four years experience as a safety professional and who has successfully completed both levels of the examination administered by the Board of Certified Safety Professionals and who is currently certified by that Board.

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Clean room. "Clean room" shall mean an uncontaminated area or room which is part of the worker decontamination enclosure system with provisions for storage of workers' street clothes and protective equipment.

Clearance air monitoring. "Clearance air monitoring" shall mean the employment of aggressive sampling techniques with a volume of air collected to determine the airborne concentration of residual fibers, and shall be performed as the final abatement activity.

Contaminated Area "Contaminated Area" shall mean the area where asbestos abatement work is taking place and the decontamination enclosure system(s).

Contractor "Contractor" shall mean a public authority or any other governmental agency or instrumentality thereof, self-employed person, company, unincorporated association, firm, partnership or corporation and any owner or operator thereof, which engages in an asbestos project or employs persons engaged in an asbestos project.

Curtained doorway. "Curtained doorway" shall mean a device which consists of at least three overlapping sheets of plastic over an existing or temporarily framed doorway. One sheet shall be secured at the top and left side, the second sheet at the top and right side, and the third sheet at the top and left side. All sheets shall have weights attached to the bottom to ensure that the sheets hang straight and maintain a seal over the doorway when not in use.

Decontamination enclosure system. "Decontamination enclosure system" shall mean a series of connected rooms, separated from the contaminated area and from each other by air locks, for the decontamination of workers, materials, waste containers, and equipment.

Demolition. "Demolition" shall mean the dismantling or razing of a building, including all operations incidental thereto (except for asbestos abatement activities), for which a demolition permit is required.

Department or DEP. "Department" or "DEP" shall mean the New Jersey Department of Energy & Environmental Protection.

Disturb. "Disturb" shall mean any action taken which may alter, change, or stir, such as but not limited to the removal, encapsulation, enclosure or repair of asbestos-containing material.

Encapsulant (sealant) or encapsulating agent. "Encapsulant (sealant) or encapsulating agent" shall mean pigmented (non-transparent) liquid material which can be applied to asbestoscontaining material or the bare surfaces exposed after an abatement which temporarily controls the possible release of asbestos fibers from the material or surface either by creating a membrane over the surface (bridging encapsulant) or by penetrating into the material and binding its components together (penetrating encapsulant).

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Encapsulation. "Encapsulation" shall mean the coating or spraying of asbestos-containing material or the bare surfaces exposed after an abatement with a pigmented (nontransparent) sealant.

Enclosure. "Enclosure" shall mean the construction of airtight walls and ceilings between the ACM and the facility environment, or around surfaces coated with ACM, or any other appropriate procedure as determined by the Department which prevents the release of asbestos fibers.

EPA. "EPA" or "USEPA" shall mean the United States Environmental Protection Agency.

Equipment Room. "Equipment room" shall mean a contaminated area or room which is part of the worker decontamination enclosure system with provisions for the storage of contaminated clothing and equipment.

Fiber. "Fiber" shall mean an acicular single crystal or a similarity elongated polycrystalline aggregate which displays some resemblance to organic fibers by having such properties as flexibility, high aspect ratio, silky luster, axial lineation, and others, and which has attained its shape primarily through growth rather than cleavage.

Fixed object. "Fixed object" shall mean a unit of equipment or furniture in the contaminated area which cannot be removed from the contaminated area.

Friable asbestos material. "Friable asbestos material" shall mean any asbestos or any ACM that can be crumbled, pulverized or reduced to powder when dry, by hand or other mechanical pressure.

Glovebag technique. "Glovebag technique" shall mean a method for removing friable asbestos-containing material from heating, ventilation and air conditioning (HVAC) ducts, short

piping runs, valves, joints, elbows, and other nonplanar surfaces. The glovebag assembly is a manufactured device consisting of a large bag (constructed of at least 6-mil transparent plastic), two inward-projecting long sleeve gloves, one inward-projecting water and sleeve, an internal tool pouch, and an attached, labeled receptacle for asbestos waste. The glovebag is constructed and installed in such a manner that it surrounds the object or area to be decontaminated and contains all asbestos fibers released during the removal process.

HEPA filter. "HEPA filter" shall mean a high efficiency particulate air filter capable of trapping and retaining 99.97 percent of particles (asbestos fibers) greater than 0.3 micrometers mass median aerodynamic equivalent diameter.

HEPA vacuum equipment. "HEPA vacuum equipment" shall mean vacuuming equipment with a HEPA filter.

Holding area. "Holding area" shall mean a chamber in the equipment decontamination enclosure located between the washroom and an uncontaminated area.

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Homogeneous contaminated area. "Homogeneous contaminated area" shall mean a portion of the contaminated area which contains one type of asbestos-containing material and/or where one type of abatement is used.

Industrial hygiene. "Industrial hygiene" shall mean that science and art devoted to the recognition, evaluation and control of those environmental factors or stresses, arising in or from the work place, which may cause sickness, impaired health and well being, or significant discomfort and inefficiency among workers or among the citizens of the community.

Industrial Hygiene Technician. "Industrial hygiene technician" shall mean an individual having USEPA certification as an Air Sampling Technician..

Isolation barrier. "Isolation barrier" shall mean the construction of partitions, the placement of solid materials, and the plasticizing of apertures to seal off the work place from surrounding areas and to contain asbestos fibers in the contaminated area.

Large asbestos project. "Large asbestos project" shall mean an asbestos project involving the disturbance (e.g., removal, enclosure, encapsulation) of 260 linear feet or more of friable asbestos-containing material or 160 square feet or more of friable asbestos-containing material.

Log. "Log" shall mean an official record of all activities that occurred during the project and it shall identify—' the building owner, agent, contractor, and workers, and other pertinent information (e.g., equipment malfunctions, contamination beyond the contaminated area, etc.).

Minor project. "Minor project" shall mean a project involving the disturbance (e.g. removal, enclosure, encapsulation, repair) of 25 linear feet or less of friable asbestos containing material or 10 square feet or less of friable asbestos containing material.

Movable object. "Movable object" shall mean a unit of equipment or furniture in the contaminated area which can be removed from the contaminated area.

Negative air pressure equipment. "Negative air pressure equipment" shall mean a portable local exhaust system equipped with HEPA filtration. The system shall be capable of creating a negative pressure differential between the outside and inside of the contaminated area.

NIOSH. "NIOSH" shall mean the National Institute for Occupational Safety and Health.

NJSDOH. "NJSDOH" shall mean the New Jersey State Department of Health.

Occupied Area. "Occupied area" shall mean an area of the worksite where abatement is not taking place and where personnel or occupants normally function or where workers are not required to use personal protective equipment.

OSHA. "OSHA" shall mean the United States Occupational Safety and Health Administration.

Outside air. "Outside air" shall mean the air outside the work place.

Person. "Person" means any individual, partnership, company, corporation, association, firm, organization, governmental agency, administration or department, or any other group of

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individuals, or any officer or employee thereof.

Personal air monitoring. "Personal air monitoring" shall mean a method used to determine employees' exposure to airborne fibers. The sample is collected outside the respirator in the worker's breathing zone.

Personal protective equipment. "Personal protective equipment" (PPE) shall mean appropriate protective clothing, gloves, eye protection, footwear, head gear.

Phase contrast microscopy. "Phase contrast microscopy" (PCM) shall mean the measurement protocol for the assessment of the fiber content of air. (NIOSH Method 7400).

Physician. "Physician" shall mean an individual licensed or otherwise authorized to practice medicine under New Jersey State Education Law.

Plasticize. "Plasticize" shall mean to cover floors and walls with plastic sheeting as herein specified.

Polarized light microscopy. "Polarized light microscopy" (PLM) shall mean the measurement protocol for the assessment of the asbestos content of bulk materials. (Interim Method for the Determination of Asbestiform Materials in Bulk Insulation Samples- 40 CFR Part 763, Subpart F, Appendix A as amended on September 1, 1982)

Professional engineer. "Professional engineer" (PE) shall mean an individual licensed or otherwise authorized by the New Jersey State Department of Education, Division of Professional Licensing Services, to practice engineering and use the title Professional Engineer.

Qualitative fit test. "Qualitative fit test" shall mean the individual test subject's responding (either voluntarily or involuntarily) to a chemical challenge outside the respirator face piece. Three of the most popular methods include:

- (1) Irritant smoke test;
- (2) Odorous vapor test;
- (3) Taste test.

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Quantitative fit test. "Quantitative fit test" shall mean exposing the respirator wearer to a test atmosphere containing an easily detectable, nontoxic aerosol, vapor or gas as the test agent. Instrumentation, which samples the test atmosphere and the air inside the face piece of the respirator, is used to measure quantitatively the leakage into the respirator. There are a number of test atmospheres, test agents, and exercises to perform during the tests.

Registered architect. "Registered architect" (RA) shall mean an individual licensed or otherwise authorized by the New Jersey State Department of Education, Division of Professional Licensing Services, to practice architecture and use the title Registered Architect.

Removal. "Removal" shall mean the stripping of any asbestos-containing materials from surfaces or components of a facility or taking out structural components in accordance with 40 CFR 61 Subparts A and M.

Renovation. "Renovation" shall mean an addition or alteration or change or modification of a building or the service equipment thereof,.

Repair. "Repair" shall mean corrective action using specified work practices e.g. glovebag, plastic tent procedures, etc. to minimize the likelihood of fiber release from minimally damaged areas of ACM.

Replacement material. "Replacement material" shall mean any material used to replace ACM that contains less than .01 percent asbestos.

Shift. "Shift" shall mean a worker's, or simultaneous group of workers', complete daily term of work.

Shower room. "Shower room" shall mean a room between the clean room and the equipment room in the worker decontamination enclosure with hot and cold running water controllable at the tap and arranged for complete showering during decontamination.

Small asbestos project. "Small asbestos project" shall mean an asbestos project involving the disturbance (e.g., removal, enclosure, encapsulation) of more than 25 and less than 260 linear feet of friable asbestos-containing material or more than 10 and less than 160 square feet of friable asbestos-containing material.

Staging area. "Staging area" shall mean the contaminated area near the waste transfer airlock where containerized asbestos waste has been placed prior to removal from the contaminated area.

Strip. "Strip" shall mean to remove friable asbestos materials from any part of the facility.

Structural member. "Structural member" shall mean any load-supporting member of a facility, such as beams and load-supporting walls, or any nonload-supporting member, such as ceiling and nonload-supporting walls.

Surface barriers. "Surface barriers" shall mean the plasticizing of walls, floors, and fixed objects within the contaminated area to prevent contamination from subsequent work.

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Surfactant. "Surfactant" shall mean a chemical wetting agent added to water to improve penetration.

Transmission Electron Microscopy (TEM). "Transmission electron microscopy (TEM)" shall mean the measurement protocol for the assessment of the asbestos fiber content of air. (Interm Transmission Electron Microscopy Analytical Methods-40 CFR Part 763, Subpart E, Appendix A)

Visible Emissions. "Visible emissions" shall mean any emissions containing particulate material that are visually detectable without the aid of instruments.

Washroom. "Washroom" shall mean a room between the contaminated area and the holding area in the equipment decontamination enclosure system where equipment and waste containers are wet cleaned and/or HEPA vacuumed prior to disposal.

Waste Decontamination Enclosure System. "Waste decontamination enclosure system" shall mean the decontamination enclosure system designated for the controlled transfer of materials and equipment, consisting of a washroom and a holding area.

Wet cleaning. "Wet cleaning" shall mean the removal of asbestos fibers from building surfaces and objects by using cloths, mops, or other cleaning tools which have been dampened with water.

Wet methods. "Wet methods" shall mean the use of amended water or removal encapsulants to minimize the generation of fibers during ACM disturbance.

Work area. "Work area" shall mean designated rooms, spaces, or areas of the building or structure where asbestos abatement activities take place. For glovebag procedures, the contaminated area shall also include the areas contiguous to where the procedure takes place.

Worker. "Worker" shall mean asbestos handler and/or asbestos handler supervisor.

Worker decontamination enclosure system. "Worker decontamination enclosure system" shall mean that portion of a decontamination enclosure system designed for controlled passage of workers, and other individuals and authorized visitors, consisting of a clean room, a shower room, and an equipment room separated from each other and from the contaminated area by airlocks and curtained doorways.

Work site. "Work site" shall mean premises where asbestos abatement activity is taking place, and may be composed of one or more contaminated area.

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3.0 NOTIFICATIONS, PERMITS, LICENSES AND CERTIFICATES

- 1. LVI Environmental Services, Inc. will notify the following agencies in writing 10 days prior to the start of an asbestos removal project. The written notice will include the following: a copy of the completed application for a construction permit for asbestos abatement, a copy of the permit if the administrative authority is a municipal enforcing agency and not the department (N.J.A.C. 5:23-8.6 g).
 - a. Mr. Bob Fritzpatrick USEPA – Air Compliance Branch 290 Broadway New York, New York 10007-1866 (212) 637-4042
 - b. New Jersey Department of Community Affairs Asbestos Contractor/Worker Program PO Box 816 Trenton, NJ 08625-0816 (609) 984-5508 (609) 633-2158
 - c. New Jersey Department of Labor Office of Asbestos Control and Licensing 28 Yard Avenue, Station Plaza 4 Trenton, New Jersey 08625-0360
 - d. New Jersey Department of Health Asbestos Control Service. CN 360 Trenton, New Jersey 08625-0360
- 2. This notification will include the following information:
 - a. Name and address of Contractor.
 - b. Address and description of the building, including size, age, and prior use of the building or area, the amount of friable asbestos material present (square feet). Designated room numbers or other location information unless entire building is involved.
 - c. Scheduled starting and completion dates for removal.
 - d. Procedures and equipment (including ventilation systems) that will be employed to comply with the C.F.R., Title 40, Part 61 of the United States Environmental Protection Agency.
 - e. The name and address of the carting company and of the waste disposal site where the asbestos waste will be deposited.
 - f. The name and address of the testing laboratory who will perform the required analysis, the name and address of the air monitoring firm and the Industrial Hygiene Technician working on behalf of the Owner, and the name and address of the testing laboratory who will perform OSHA compliance air monitoring on behalf of LVI Environmental Services, Inc.
 - g. LVI Services, Inc. Will pay any applicable Notification / permit fees

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- 3. LVI Environmental Services, Inc. will notify the following agency in writing ten (10) days prior to the removal and the disposal of asbestos waste from the job site. All asbestos waste materials destined for disposal will be in accordance with 40 C.F.R. 61.20 -25 before it can be legally transported and disposed of.
 - a. New Jersey Department of Environmental Protection Division of Hazardous Waste Management Twin River Professional Building East Windsor, New Jersey 08520
- 4. The notification will include the following
 - a. Name, address, and telephone number of the removal location.
 - b. Quantity in cubic yards and nature of the waste to be disposed (I.D. #27 for Asbestos).
 - c. Name, address, and New Jersey Department of Environmental Protection registration number of the collector-handler.
 - d. Name and address of the landfill at which disposal will occur.
 - e. Date and time of disposal.
 - f. A copy of any written notification required by 40 C.F.R. 61.22 to 61.25.
 - g. LVI Services, Inc. Will pay any applicable Notification / permit fees
- 5. Permits, licenses and certificates which will be required include, but are not limited to:

Supervisor

EPA AHERA Asbestos Supervisor License

EPA AHERA Asbestos Handler License

New Jersey Department of Labor

Worker

EPA AHERA Asbestos Handler License

New Jersey Department of Labor

All workers will have the appropriate federal and state, licenses and certificates (EPA& NJ).

All removal and decontamination work will bee performed in accordance with federal and state guidelines (EPA& NJ).

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4.0 PRE-ABATEMENT STATE REQUIREMENTS

1. It is unlawful to undertake a large asbestos hazard abatement job unless LVI Environmental Services, Inc. first files an application in writing with the Administrative Authority having jurisdiction and obtains the required permit. This permit will serve as notice for public record in the office of the administrative authority having jurisdiction. All work will be monitored and controlled by the Industrial Hygiene Technician, who will advise the administrative authority having jurisdiction of its findings (N.J.A.C. 5:28-8.6a).

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- 2. The application for a construction permit for asbestos abatement projects will include the following [N.J.A.C. 5:23-81.
 - a. The name, address and license number of the asbestos Contractor pursuant to N.J.A. C. 12:120 Asbestos Licenses and Permits under the jurisdiction of the New Jersey Department of Labor.
 - b. The asbestos hazard assessment prepared by the New Jersey Department of Health, County or local Health Department, or a private business entity, authorized by the New Jersey Department of Health unless the requirement for an assessment has been waived by any of the above.
 - c. The name and address of the private air monitoring firm hired by the Building Owner, who will act as the Asbestos Safety Control Monitor. They will be authorized by the New Jersey Department of Community Affairs and will be responsible for the continuous monitoring during the asbestos abatement project.
 - d. The name and address of the analytical testing laboratory approved by the New Jersey Department of Health.
 - e. The name and address of the New Jersey Department of Environmental Protection registered waste hauler, including the New Jersey Department of Environmental Protection Number and the New Jersey Department of Environmental Protection registered landfill, where the asbestos waste will be deposited.

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5.0 PROTECTIVE CLOTHING AND EQUIPMENT FOR ASBESTOS REMOVAL

- 1. Listed below are materials, equipment, and tools generally used in asbestos removal operations. It is not inferred, however, that all materials listed are necessarily required in every asbestos removal project and, in some instances, materials required to complete the work may not be listed.
 - a. Protective clothing.
 - 1) Will consist of full body coveralls, headcovers, boots and gloves as required by the most stringent OSHA standards applicable to the work. These items will be disposable.
 - 2) In addition, Eye protection and hard hats will be available. These items will be decontaminated and reused.
 - 3) No full body coveralls, headcovers, boots, or gloves will be laundered / cleaned / decontaminated and reused.
 - 4) Personnel protective equipment to be re used (respirators, hard hats, eye protection, ect.) will be decontaminated with soap & water as part of the worker decontamination procedure.
 - b. Plastic Film: At a minimum; Provide fire retardant, clear six (6) mil. thickness polyethylene sheeting. The plastic sheeting will be taped securely in place or stapled or fastened by spray-on adhesives, glue beads, horizontal wood battens, or the equivalent.
 - 1) Walls two (2) layer of six (6) mil. polyethylene.
 - 2) Floors two (2) layers of six (6) mil. polyethylene.
 - c. Adhesives: Tape will be high quality tape (Asbestos tape, duct tape, or approved equal) in 2" or 3" widths with an adhesive formulated to aggressively stick.
 - d. Support Structures constructed of Polyvinyl Chloride Pipes (P.V.C.) and/or aluminum or wood studs.
 - e. Disposal bags will be six (6) mil. polyethylene bags of a sufficient size for the application. The bags will be printed with letters of sufficient size and contrast to be readily visible and legible. The label will state as a minimum:

Contains Asbestos Fibers Avoid Creating Dust Cancer and Lung Disease Hazard

f. In addition, the Disposal bags will be labeled with the generators name and address, in accordance with NESHAP requirements. See Section 16.

2. Signs:

a. Provide Danger signs (14" x 20") red background, lettered in black. It will be displayed at all routes of access and all visual and physical barriers as follows as a minimum:

Danger Asbestos

Cancer and Lung Disease Hazard Authorized Personnel Only Respirators and Protective Clothing is Required in this Area

b. The sign will meet OSHA Standards 29 C.F.R. 1926.58 as follows;

LEGEND	NOTATION
Danger	1" Sans Serif Gothic or Block
Asbestos	1" Sans Serif Gothic or Block

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Asbestos Abatement Specification

Cancer and Lung Disease Hazard	3/4" Sans Serif Gothic or Block	
Authorized Personnel Only	½" Gothic	
Respirators and Protective Clothing is Required in this Area	¹ / ₄ " Gothic	

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c. At all areas of direct access to the contaminated area (decontamination unit, etc.) display signs (10" x 14") yellow background, lettered in black as follows:

LEGEND	NOTATION
No Food, Beverages or Tobacco Permitted	¾" Block
All Persons Will Don Protective Clothing (Coverings) Before Entering the Work Area	¾" Block
All Persons Will Shower immediately after leaving Work Area and Before Entering the Changing Area	¾" Block

- Amended water or removal encapsulant will be approved for the particular type and concentration of asbestos dealt with in each circumstance by the Project Manager.
 - a. Amended Water: Provide water to which a surfactant has been added. Use a mixture of surfactant and water which results in wetting of the material which equals or surpasses the wetting resulting from the use of one (1) ounce of a surfactant consisting of fifty percent (50%) polyoxyethylene ester and fifty percent (50%) polyoxyethylene ether mixed with five (5) gallons of water.
 - b. Removal Encapsulant: Provide a penetrating- type encapsulant designed specifically for removal of asbestos-containing material. Use a material which results in wetting of the asbestos-containing material and retardation of fiber release during disturbance of the material equal to or greater than that provided by amended water as described above.
 - 1. Encapsulant: Tinted which meets all fire and building codes
 - c. As per LVI Hazard Communication Program, the appropriate MSDS will be kept on site, in the Command Trailer, for all on site chemicals and compounds.
- Filters of sufficient quantity and type (HEPA, etc.) for use in respirators and other air filtering equipment.
 - a. Respirator protection will be in accordance with OSHA Regulation 29 CFR 1926.1101, 29 CFR 1910.134, and ANSI Z88.2-1980. There will be NO EXCEPTIONS to these requirements.
 - b. For Air Personnel Filtering Equipment see LVI Services Corroborate Safety & Health Plan.
 - c. For HEPA Vacuum and Negative Pressure Air filtering equipment see LVI Services Cornell-Dubilier Electronic Superfund Site Work Plan.
 - 1. A sufficient number of Negative Pressure Air filtering units will be provided to produce a negative pressure of -0.02 inches water column.
 - 2. One additional Negative Pressure Air filtering unit will be available on site at all times.
 - 3. Filters will be changed as follows
 - Pre filters will be changed as required.
 - Secondary filters will be changed at the beginning and end of each shift.
 - HEPA filters will be changed after the manufactures recommended run times (typically 700 hours) or whenever pressure differentials indicate the filters are clogged.

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- d. Shower Head and Controls:
 - 1) Provide one showerhead per every 6 workers.
 - 2) Provide a factory made showerhead producing a spray of water, which can be adjusted for spray size and intensity.
 - 3) Feed shower with water mixed from hot and cold supply lines. Arrange so that control of water temperature, flow rate and shut off is from inside shower without outside aid.
- e. Filters: Provide cascaded filter units on drain lines from showers or any other water source carrying asbestos-contaminated elements as indicated below. Connect so that discharged water passes primary filter and output of primary filter passes through secondary filter.
 - 1) Primary Filter Pass particles 20 microns and smaller.
 - 2) Secondary Filter Pass particles 5 microns and smaller.
- f. Shower Stall: For Wash Down Station provide leak tight shower enclosure with integrated drain pan fabricated from fiberglass or other durable waterproof material, approximately 3' x 3' square with minimum 6' high sides and back. Structurally support as necessary for stability. Equip with hose bib, as specified in this section, mounted at approximately 4' 0" above drain pan. Connect drain to a reservoir, pump water from reservoir through filters to a drain or store and use for amended water. Mount filters inside shower stall on back wall beneath hose bib.
- g. Sump Pump: Provide totally submersible, waterproof sump pump with integral float switch. Provide unit sized to pump 2 times the flow capacity of all showers or hoses supplying water to the sump, through the filters specified herein when they are loaded to the extent that replacement is required. Provide unit capable of pumping debris, sand, plaster or other materials washed off during decontamination procedures without damage to mechanism of pump. Adjust float switch so that a minimum of 3" remains between top of liquid and top of sump pan.
- h. Lumber: Provide kiln-dried lumber of any grade or species.
- i. Scaffold: Provide all scaffolding and/or staging as necessary to accomplish the work of this contract
- j. Hand Tools: Hand tools of sufficient quantity to implement the work at hand and the work schedule submitted including ancillary materials (e.g. staples, nails, wire, etc.).
 - 1) Spray Equipment: Spray equipment capable of mixing wetting agent with water and capable of generating sufficient pressure, volume, and having ample hose length to reach all areas of asbestos.
- 5. LVI Environmental Services, Inc. will have available sufficient inventory of these materials and equipment to accomplish the job, protect the workers, and protect all authorized visitors to each facility. Only visitors with current EPA/NJ asbestos licenses will be authorized.
- 6. In procuring all items in this work, it is LVI Environmental Services, Inc.'s responsibility to verify the detailed requirements of this guideline and all codes, standards, and regulations to verify that the items procured for use in this work meet or exceed the specified requirements.
- 7. The Owner reserves the right to reject items incorporated into the work that fail to meet the requirements of this guideline or any applicable codes, standard or regulation.
- 8. The mention of any produce or manufacturer's name or equipment name does not imply endorsement by the Owner' Owner's Representative or Project Manager.
- 9. "Approved equal" or "equal" will mean as approved by the Owner/Owner's Representative or Project Manager only. They will be the sole judge as to whether or not a substitute item is equal, and any item specified will be submitted for approval.

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6.0 RESPIRATORY PROTECTION

1. Powered Air-Purifying Respirators

- a. Powered air-purifying, positive pressure, full or half-face respirators will be worn during all phases of the project. At the discretion of the Certified Industrial Hygienist (CIH), full or half-face, negative pressure respirators may be worn during preparation and final cleaning. If air monitoring results show that fiber counts meet or exceed an action level defined as half (1/2) the respirator use limit concentration (20 f/cc), then Type "C" respirators will be used.
- b. Supply a sufficient quantity of high efficiency respirator filters approved for asbestos so that workers can change filters at any time that flow through the face piece decreases to the level at which the manufacturer recommends filter replacement. Require that HEPA elements in filter cartridges be protected from wetting during showering. Require entire exterior housing of respirator including blower unit, filter cartridges, hoses, battery pack, facemask, belt, and cord to be washed each time a worker leaves the contaminated area. Caution should be used to avoid shorting battery pack during washing. Provide an extra battery pack for each respirator so that one can be charging while one is in use.
- c. Respirator Bodies: Provide half-face or full-face type respirators. Equip full-face respirators with a nose cup or other anti-fogging device as would be appropriate for use in air temperatures less than 32 degrees Fahrenheit.

2. Filter Cartridges.

Provide, at a minimum,

- ➤ HEPA type filters labeled with NIOSH Certification for
 - "Radionuclides, Radon Daughters, Dust, Fumes, Mists including Asbestos-Containing Dusts and Mists"
- ➤ Color coded in accordance with ANSI Z228.2 (1980).
- ➤ In addition, a chemical cartridge section may be added, if required, for solvents, etc., in use. In this case, provide cartridges that have each section of the combination canister labeled with the appropriate color code and NIOSH Certification.

7.0 CONSTRUCTION AIDS

1. General

- a. Provide all scaffolding, ladders, or staging equipment, etc. as necessary to accomplish the work of this contract '. Scaffolding may be of suspension type; or standing type such as metal tube and coupler, tubular welded frame, pole or outrigger type or cantilever type. The type, erection and use of all scaffolding will comply with all applicable OSHA provisions.
- b. An OSHA Competent Person, in scaffolding construction, will check all scaffolding prior to use and periodically for the duration of the job.
- c. During the erection and/or moving of scaffolding, care will be exercised so that the polyethylene floor covering is not damaged.
- d. The rungs of all metal ladders, etc., will be equipped with an abrasive nonslip surface.
- e. All surfaces subject to foot traffic will have a nonskid surface. Surfaces will be cleaned as required to remove slippery materials.
- f. At the completion of the removal work, all construction aids will be cleaned within the contaminated area and wrapped in one (2) layer of six (6) mil. polyethylene sheet and sealed before removal from the contaminated area.

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8.0 ELECTRICAL COMPONENTS

1. Electrical components will be approved by the National Electrical Manufacturers Association (N.E.M.A.) and Underwriter's Laboratories (UL).

- 2. Each unit (HEPA vacuums and Negative Air Filtration Devices), will be equipped with overload protection, sized specially for the equipment. The motor, fan, fan housing, and cabinet will be grounded.
- 3. LO/TO procedures will be followed during abatement activities,
 - electricity to the work areas will be shut down prior to abatement activities,
 - temporary electrical panels will be set up by an electrician outside of the work area for use during the abatement.
 - All power to the contaminated area will be provided through ground fault circuit interrupters

9.0 PROTECTION OF WORKERS AND SITE VISITORS

- 1. Respirators, disposable coveralls, head covers and footwear covers will be provided by LVI Environmental Services, Inc. for the Owner/Owner's Representative, Project Manager and other authorized representatives who may inspect the job site. Provide two (2) respirators and six (6) complete coveralls and, where applicable, six (6) respirator, filter changes per day. Sufficient HEPA / P-100 cartridges for both half-face air-purifying and powered air-purifying respirators will be provided for the workers to change during the work shift. No HEPA cartridges will be used longer than three (3) work shifts (work shifts denote eight (8) hours). The respirators will be worn at all times when in the contaminated area. THERE WILL BE NO EXCEPTIONS.
- 2. LVI Environmental Services, Inc. will perform an worker exposure assessment.
 - Personnel samples will be collected and analyzed in accordance with the requirement of NIOSH Analytical Method 7400.
 - b. Based on job category a minimum of 20% of the workers, will be monitored on a daily basis.
- 3. In accordance with NIOSH, OSHA, and ANSI regulations, LVI Environmental Services, Inc. will have a formal respirator-use program that will, at a minimum, consist of the following:
 - a. Establish written standard operating procedures governing the selection and use of respirators.
 - b. Select respirators on the basis of the hazards to which the worker is exposed.
 - c. Instruct and train the user in the proper use of respirators and their limitations. Where practical, assign respirators to individual workers for their individual use. These will be specifically fit tested.
 - d. Regularly clean and disinfect respirators.
 - e. Store respirators and filters in a convenient, clean and sanitary location.
 - f. Maintain and inspect respirators.
 - g. Maintain appropriate surveillance (monitoring) of contaminated area and degree of employee exposure of stress.
 - h. There will be a regular inspection and evaluation procedure to determine the continued effectiveness of the program.
 - i. Do not assign workers to tasks requiring use of respirators unless it has been determined they are physically able to perform the work and use the equipment.
- 4. LVI Environmental Services, Inc. will guarantee that all employees have participated and are

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currently participating in this respirator use program.

5. LVI Environmental Services, Inc. will provide full body protective clothing (See Section 5.0 and Section 9.0) to workers and authorized visitors, which will be worn at all times when in the contaminated area.

6. Protective clothing will be disposed of when leaving the contaminated area and a new set used upon return.

10.0 EMERGENCY PRECAUTION

- LVI Environmental Services, Inc. will prepare a contingency plan for emergencies including fire, accident, power failure, negative air system failure, supplied air system failure, or any other event that may require modification or abridgment of decontamination or contaminated area isolation. Note that nothing in this specification should impede safe exiting or providing of adequate medical attention in the event of an emergency.
- 2. LVI Environmental Services, Inc. will provide barricades and adequate protection to safely prevent passage of persons to the area of removal. Must prevent accidental entrance to the abatement area by any building occupants.
- 3. Before LVI Environmental Services, Inc. starts actual abatement of asbestos material, the local fire department and ambulance crews will be notified as to the dangers of entering the contaminated area. LVI Environmental Services, Inc. will make every effort to help these agencies and form plans of action should their personnel need to enter the contaminated area.
- 4. Local medical emergency personnel, both ambulance crews and hospital emergency room staff, will be notified as to the possibility of having to handle injured work persons who are contaminated with asbestos dust. They will be advised on safe decontamination procedures.
- 5. First aid will comply with the governing regulations and all recognized recommendations within the industry.
- 6. General: Except as otherwise indicated, submit special reports directly to Owner within one (1) day of occurrence requiring special report, with copy to Owner's Representative, Project Manager and others affected by occurrence.
 - a. Reporting unusual Events: When an event of unusual and significant nature occurs at site (examples: failure of negative pressure system, rupture of temporary enclosures), prepare and submit a special report listing chain of events, persons participating, response by Contractor's personnel, evaluation of results or effects, and similar pertinent information. When such events are known or predictable in advance, advise the Owner in advance at earliest possible date.
 - b. Reporting Accidents: Prepare and submit reports of significant accidents, at site and anywhere else work is in progress. Record and document data and action; comply with industry standards. For this purpose, a significant accident is defined to include events where personal injury is sustained, or property loss of substance is sustained, or where the event posed a significant threat of loss or personal injury.

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11.0 ASBESTOS HANDLER DECONTAMINATION ENCLOSURE SYSTEM

The following procedures shall be followed during the conduct of removal/abatement activities under Full Containment.

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- A. Asbestos Handler Decontamination Enclosure Systems
- 1. Asbestos Handler Decontamination Enclosure Systems shall be located inside the Containment Area. The systems will be double boxed with plywood and framing. The systems will then be plasticized on the inside and the outside.
- 2. The Asbestos Handler Decontamination Enclosure System shall consist of a Clean Room, a Shower Room, and a Contaminated Equipment Room, in series, respectively, and separated from each other by airlocks and from the Work Area and non-work place by airlocks.
- 3. Asbestos Handler Decontamination Enclosure Systems shall be fully lined utilizing two layers of 6-mil opaque plastic sheeting at a minimum, or the equivalent. Decontamination Unit floors shall additionally be plasticized with one-(1) layers of nylon-reinforced, polyethylene sheeting.
- 4. The Clean Room shall contain:
 - a. Secure Asbestos Handler lockers or shelves, and clean sealable plastic bags for storage of street clothes; and
 - b. Shelves or appropriate facilities for storage of respirators; and
 - c. Clean disposable clothing, replacement filters for respirators, towels and other necessary personal protection equipment.
 - d. It shall not be used for storage of tools, equipment or materials other than personal protection equipment, nor used as office space.
 - e. It shall be equipped with a lockable door to secure the work place during off-shift hours.
- 5. The Shower Room shall be constructed of black polyethylene or equivalent and shall be constructed to ensure against water leakage. A minimum of one shower per 6 Asbestos Handlers, calculated on the basis of the largest shift, shall be provided. Showerheads shall supply hot and cold water, adjustable at the shower. Liquid bath soap, shampoo and clean, dry towels in sufficient quantity for each Asbestos Handler for each showering.
- 6. Shower water shall be drained, collected and filtered through a system with at least 2-stage 5.0-micron particle size collection capability. A system containing a series of several filters, with progressively smaller pore sizes, shall be used to avoid rapid clogging of the filtration system by contained particles. Filtered wastewater shall be discharged either to a sewer or drummed and then properly disposed. Used filters shall be disposed of as ACM.
- 7. The Contaminated Equipment Room shall be used for storage of equipment and tools used on the job in the Work Area. It may contain a limited supply of replacement filters (in sealed containers until used) for HEPA vacuums and pressure ventilation equipment, extra tools, containers of surfactant and other materials and equipment that may be required during the abatement activity. Labeled (as previously specified) 6-mil plastic bags for collection of disposable clothing shall be stocked in this room, along with contaminated footwear (e.g., rubber boots and other reusable footwear) and contaminated clothing for reuse for the duration of the abatement activity or until disposed.

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8. A walk off pan located in the contaminated area and immediately adjacent to the decontamination unit shall be employed.

- 9. When the Decontamination Enclosure System is constructed outdoors, it shall be fully framed and plywood sheathed, or equivalent, to prevent unauthorized entry. It shall be waterproof and windproof.
- B. Containment Area Entry and Exit Procedures
 The following procedures shall be followed during the conduct of abatement activities on Fully
 Contained Asbestos projects:

1. Entrance Procedures

- a. All Asbestos Handlers and authorized visitors shall enter the Containment Area through the Asbestos Handler Decontamination Enclosure System.
- b. All individuals who enter the Containment Area shall sign the entry log, located in the Clean Room, upon each entry and exit. The log shall be permanently bound and shall identify, fully, the building, Owner, agents, Contractor(s) the project, each Containment Area and worker respiratory protection employed. The Asbestos Handler Supervisor shall be responsible for the maintenance of the log during the abatement activity. The log shall be available for examination during general work hours by the Contract Officer, the Asbestos Handlers, and any regulatory authority.
- c. All individuals, before entering the Containment Area, shall be familiar with all posted regulations, personal protection requirements and emergency procedures. The entry log headings shall indicate, and the signatures shall be used to acknowledge that the regulations and procedures have been reviewed and understood by all persons prior to entering the Containment Area. The postings and log headings shall be in English and Spanish, and in the languages of the Asbestos Handlers, if different from English or Spanish.
- d. All individuals shall proceed first to the Clean Room, remove all street clothing, store these items in clean, sealable plastic bags or a locker and don respiratory protection disposable coveralls, head covering and foot covering. Clean respirators, filters, if appropriate, and protective clothing shall be provided and utilized by each individual for each separate entry into the work area.

2. Exit Procedures

- a. Before leaving the Containment Area, each individual shall remove the gross contamination from the outside of the respirators and protective clothing by wet cleaning, and/or HEPA vacuuming.
- b. In the Contaminated Equipment Room, all personal protection equipment, except respirators, shall be removed. Disposable clothing shall be deposited into labeled containers for disposal. Reusable contaminated clothing, footwear and/or headgear shall be stored in the Contaminated Equipment Room when not in use.
- c. Still wearing a respirator, each individual shall proceed to the shower room, clean the outside of the respirator and the exposed face area under running water prior to removal of the respirator, and then shower and shampoo to remove residual asbestos contamination. Respirators shall be washed thoroughly with soap and water or a suitable sanitizing agent. Various types of respirators may require slight modification of these procedures.

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d. After showering and drying, individuals shall proceed to the Clean Room and put on clean disposable clothing, if returning to the Work Area, or street clothing if remaining outside the Work Area.

C. Equipment and Waste Container Decontamination and Removal Procedures

The following procedures shall be followed whenever equipment or ACM containers are removed from the Containment Area during a Fully Contained Asbestos activity.

- External surfaces of contaminated containers and equipment shall be cleaned by Wet Cleaning and or HEPA vacuuming in the Work Area before transferring such items into the Decontamination Enclosure System. Contaminated Asbestos Handlers shall not enter the Washroom during this procedure.
- 2. The cleaned containers of ACM and equipment shall be placed in uncontaminated, leak-tight plastic bags or sheeting, as the item's physical characteristic demand. Air volume shall be minimized and the bags or sheeting shall be sealed and labeled in accordance with NESHAP and DOT requirements. Items that may puncture or tear the plastic bags or sheeting shall be placed in a hardwall container and sealed.
- 3. The clean recontainerized items shall be moved into the airlock for subsequent transfer to the holding area. The Asbestos Handlers transferring ACM/equipment in the Washroom shall not enter this airlock or the Work Area until waste removal is finished for that period.
- 4. Recontainerized items and cleaned equipment shall be removed from the airlock to the Holding Area by Asbestos Handlers who have entered from uncontaminated areas with appropriate personal protection equipment,
- The recontainerized items of ACM and cleaned, bagged equipment shall be placed in open top, watertight plastic carts. These carts shall be held in the Holding Area pending removal. The carts shall be HEPA vacuumed or Wet Cleaned following the removal of the containers of ACM from them.
- 6. The exit from the Waste Decontamination Enclosure System shall be secured to prevent unauthorized entry.
- 7. The carts shall be stored in a secure location and all waste materials shall be removed from the building on a daily basis.
- 8. All containerized waste materials shall be labeled in accordance with OSHA and USEPA requirements and the requirements.

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D. Maintenance of Decontamination Enclosure Systems and Barriers

The following procedures shall be followed during the conduct of abatement activities on all asbestos removal/abatement activities:

- 1. All plastic barriers inside the Work Place and partitions constructed to isolate the Work Area from occupied areas shall be inspected by the Asbestos Handler Supervisor at least twice per shift.
- 2. Smoke tubes shall be used to test the integrity of the Containment Area barriers and the Decontamination Enclosure Systems daily at a minimum both before removal/abatement activity begins and at the end of each shift. A visual inspection of the barriers, including the use of differential manometers, shall be considered acceptable as a back-up test.
- 3. Damage and defects in the Decontamination Enclosure System shall be repaired immediately.
- 4. At any time during the abatement activity, if visible emissions are observed, or elevated asbestos fiber counts outside the work area are measured, or if damage occurs to barriers, removal/abatement activities shall stop. The source of the contamination shall be located, the integrity of the barriers shall be restored, and visible residue shall be cleaned up by using appropriate HEPA vacuuming and Wet Cleaning procedures immediately.
- Inspections, observations, and unusual incidents (e.g., barrier damage, contamination beyond the Work Area, etc.) shall be documented in the daily project log by the Asbestos Handler Supervisor.

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12.0 WORK AREA PREPARATION

1. The contaminated area is the location where asbestos abatement work occurs. This is an abatement on non-friable transite siding which will be abated in accordance with Federal and New Jersey State abatement for non-friable siding as outlined in Appendix A.

- 2. Should the area beyond the contaminated area(s) become contaminated with asbestos-containing dust or debris as a consequence of the work, clean those areas. Contractor shall perform all such required cleaning or decontamination at no additional cost to the Owner.
- 3. Place all tools, scaffolding, staging, etc. necessary for the work in the area to be isolated prior to erection of the plastic sheeting and temporary enclosure.
- 4. Employees of LVI Environmental Services, Inc. permitted pursuant to N.J.A.C. 8:60 and N.J.A.C. 12:120 or persons employed by the owner, who have successfully completed maintenance / custodial / worker training course approved by the New Jersey Department of Health, unless the room and objects within it are shown to be uncontaminated by asbestos in which case other employees of the building owner or Contractor may be used, will clean with wet cloths and / or with HEPA vacuums as appropriate. All items that can be removed from the contaminated area without disrupting the asbestos material. This will include furniture, equipment, drapes, and curtains. The cloths used for cleaning will be disposed of as asbestos contaminated waste.
- 5. Clean and remove all uncontaminated removable merchandise, equipment, and/or supplies from the contaminated area before commencing work or completely cover with two (2) layers of polyethylene sheeting at least six (6) mil. in thickness securely adhered to in place with tape. Such merchandise and equipment will be considered outside the contaminated area unless the covering plastic or the seal is breached.
- 6. Provide warning signs at each visual and physical barrier (see Section 5.0, 2).
- 7. Alternate methods of containing the contaminated area may be submitted to the Contracting Officer or his representative for approval. Do not proceed with any such method(s) without prior written approval of the Owner's Representative and Project Managers.
- 8. Primary Seal/Critical Barriers
 - a. Individually seal all ventilation openings (supply and exhaust), lighting fixtures, doorways, windows, skylights, convectors and floor drains, and other openings into the contaminated area with polyethylene sheeting at least six (6) mil. in thickness taped securely in place. Maintain the seal until all work, including project decontamination, is completed. Take care in sealing off lighting fixtures to avoid melting or burning of sheeting.
 - b. Mechanically support sheet plastic independently of tape or spray cement seals so that seals do not support the weight of the plastic. Following are acceptable methods of supporting sheet plastic barriers. Alternative support methods may be used if approved in writing by the Contracting Officer or his representative.
 - 1. Plywood squares 6" x 6" x 3/8" held in place with one 6d smooth masonry nail or electra

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galvanized common nail driven through the center of the plywood and tape on plastic so that plywood clamps plastic to the wall. Locate plywood squares at each end comer at maximum four (4) feet on centers.

- 2. Nylon or polypropylene rope minimum one-quarter (1/4) inch in diameter suspended between supports securely fastened on either side of opening at maximum one (1) foot below the ceiling. Tighten rope so that it has two (2) inches maximum dip. Drape plastic over rope from outside contaminated area so that a two (2) foot flap of plastic extends over rope into contaminated area. Staple or wire plastic to itself one (1) inch below rope at maximum six (6) inches on centers to form a sheath over rope. Lift flap and seal to ceiling with duct tape or spray cement. Seal loop at bottom of flap with duct tape. Erect entire assembly so that it hangs vertically without "shelf upon which debris could collect.
- 9. Remove or properly seal with two (2) layers of six (6) mil. fire-rated polyethylene all electrical and mechanical items such as lighting fixtures, clocks, diffusers, registers, electric panels, escutcheon plates, etc. which cover any part of the surface to be worked on with the work.

At any point should the enclosure barrier be breached in any manner that could allow the passage of asbestos debris or airborne fibers, then the affected area will be added to the contaminated area and be subjected to enclosure as required by this Section of the specification and decontamination as described in Section 11.0.

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13.0 WET REMOVAL OF ASBESTOS-CONTAING AND ASBESTOS-CONTAMINATED MATERIALS

- 1. This section outlines the procedures, which are to be used in the wet removal of all asbestos containing and asbestos-contaminated materials as indicated on the Contract Drawings.
- 2. Any changes to this procedure will be in writing from the Environmental Project Manager.
- 3. LVI Environmental Services, Inc. will certify that all asbestos containing and asbestos-contaminated materials have been removed from the contaminated area.
- 4. Prior to and during actual abatement work, mist with amended water all asbestos containing and asbestos-contaminated materials. This will aid in minimizing fiber release during work activities.
- 5. The asbestos-containing and asbestos-contaminated materials will be sufficiently saturated to prevent emission of airborne fibers. The amended water or removal encapsulant will be sprayed for as long and as often (before, during, and after removal) as necessary in order to ensure that the asbestos material is adequately wetted throughout.
- 6. A fine, low-pressure spray of amended water or removal encapsulant will be applied to prevent fiber disturbances preceding removal. The use of high revolutions per minute (R.P.M.) power equipment, pressure washers, or hydro-blasters is not acceptable. The additive will be the manufacturers.
- 7. Asbestos-containing material will be manually removed by scraping or cutting the saturated material from the base material. (Caution will be taken not to damage the base material.)
 - 1. Removal of the asbestos material will be done in small sections by two-person (2) teams, on staging platforms if needed.
 - 2. The wet material from each section will be packed and sealed into labeled six (6) mil. plastic bags.
 - 3. When possible, one (1) worker will remove and hand sections of asbestos material to the other worker who will then place the material into labeled six (6) mil. plastic bags.
- 8. In all cases, the asbestos-containing materials will be handled carefully and deliberately. All asbestos containing materials will be placed directly into labeled six (6) mil. plastic bags Any unnecessary agitation of the material is strictly prohibited.
- 9. Operations will be continuous so that once an area is started it will be worked on to the first wet wipe. The wet material from each section will be packed and sealed into labeled six (6) mil. plastic bags and double bagged with visible labels prior to starting the next section. Water-soaked fallen material will be picked up while wet to prevent water loss due to evaporation.
 - a. Maintain good housekeeping so as not to accumulate loose asbestos.
 - b. Reach the clean wipe state as quickly as possible.
 - c. Remove the residues as quickly as possible so as not to walk or track through it, thus grinding it to smaller, more potentially dangerous sizes.
 - d. Trap the asbestos in six (6) mil. plastic bags as quickly as possible so as not to allow asbestos to dry out and become airborne. Bags will be handed or chuted down carefully from one worker to another.
 - e. Contaminated material containing sharp edged items will be cut to size while adequately wet, placed in small cardboard boxes and double bagged, or singly bagged and then placed in temporary fiber drums. 40 C.F.R. 0) prescribes a leak-tight container, the integrity of which is LVI Environmental Services, Inc.'s responsibility (N.J.A.C. 5:23-8.10f5).

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f. Bags and drums will be marked with the label prescribed by Section 61.22(c) of the E.P.A. regulations. The outside of all containers will be wet cleaned or HEPA vacuumed before leaving the contaminated area.

- g. If at any time the airborne fiber level outside the isolated contaminated area or the clean room of the decontamination unit rises above 0.01 f/cc (action level), the work will stop immediately and air cleaning equipment and clean up procedures will be used to reduce fiber level to less than 0.01 f/cc.
- h. If at any time the airborne fiber level inside the isolated contaminated area exceeds 0.2 f/cc (action level), the work will stop immediately and air cleaning, wetting, and surface cleaning procedures will be necessary.

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14.0 CLEANUP PROCEDURES

1. A NJ Asbestos Safety Control Monitor will perform a visual inspection of the contaminated area to ensure that it is dust free.

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- 2. After approval by the NJ Asbestos Safety Control Monitor, LVI Environmental Services, Inc. will spray coat all dried exposed surfaces with a sealant. The surfaces to be coated will include the polyethylene which has been used to cover walls, floors and non-removable fixtures and equipment.
- 3. After the encapsulation of the polyethylene, it will be carefully removed and rolled up with the contaminated portion.
- 4. All equipment, machinery, scaffolding, tools, etc., within the contaminated area will be cleaned with amended water, moved to the equipment room and properly removed from the contaminated area.

5. Final Cleaning

- a. Wet clean, with amended water, all floors, windows, etc.
- b. Allow for all surfaces to dry and repeat the procedures.
- c. Used cloths and sponges will be disposed of as contaminated.

6. Re-occupancy Sampling

- a. Air Filtration System will not be shut down until the final clearance criteria is met.
- b. After the contaminated area is found to be visually clean by the NJ Asbestos Safety Control Monitor he/she will perform re-occupancy sampling.
- c. If the PCM standard of <0.01 f/cc or the TEM standard of (<70 S/MM2) is not met,
 - 1) Repeat final cleaning and continue decontamination procedures from that point.
- d. If the final clearance criteria is met, LVI Environmental Services, Inc. will
 - 1) Remove the critical barriers separating the contaminated area from the rest of the building,
 - 2) Clean with amended water all covering and areas where the barrier was attached and
 - 3) Shut down and remove the Air Filtration System.

15.0 Post-Removal Sampling

- 1. After the contaminated area is found to be visually clean by the NJ Asbestos Safety Control Monitor, he/she will perform post-removal sampling. This test is required to establish safe conditions for removal of critical barriers and to permit reconstruction activity to begin. Sufficient time following clean-up activities will be allowed so that all surfaces are dry during monitoring. Negative air filtration units will be in use during monitoring.
- 2. If the PCM standard of <0.01 f/cc or the TEM standard of (<70 structures per square millimeter, Transmission Electron) is not met, repeat final cleaning and continue decontamination procedures from that point.
- 3. If the final clearance criteria are met, LVI Environmental Services, Inc. will remove the critical barriers separating the contaminated area from the rest of the building. Clean with amended water all areas where the barrier was attached and covering and shut down and remove the air filtration system.

A.R.T., Inc. Page 30 of 36

03/05/07

16.0 DISPOSAL OF ASBESTOS-CONTAINING WASTE

1. All wastes generated within the isolated contaminated area, including but not limited to, asbestos, materials, plastic sheeting, tape, cleaning materials, protective clothing, all filters, brushes, pails, brooms and all other disposable material or items used in the contaminated area will be packed, sealed and disposed of according to this section.

- 2. LVI Environmental Services, Inc. will not allow asbestos materials to dry out or collect on the floors. Removed material will be immediately placed in approved bags and sealed.
- 3. The material collected in each bag is to be sealed by twisting the open end and then tying an overhand knot in the twisted material (or other approved method, which will form a leak-tight seal). The bag is then placed in another bag, which is also sealed for transport to the disposal site. Broken bags will be rebagged a third time.
- 4. Disposal of asbestos waste shall be in accordance with 40 CFR Subpart A (Revised 11/20/90).
 - a. Only licensed asbestos transporters will be used for the transportation of asbestos waste
- 5. All Asbestos contaminated materials shall be double bagged in 6 mil bags, which are labeled as follows;
 - 1) DOT warning label
 - 2) Name & address of contractor and owner,
- 6. All bagged asbestos containing materials will be placed in a dumpster. The dumpster will be;
 - a. Completely lined with 6 mil ploy, enclosed and locked.
 - b. It will be posted with warning labels, meeting OSHA requirements Labels will be conspicuous and legible and will contain the following warning;

CAUTION DO NOT OPEN AVOID CREATING DUST CANCER AND LUNG DISEASE HAZARD

- c. It is to be opened only for materials from the removal area. Warning signs will be posted on the dumpster.
- d. When the dumpster container is full, it will be immediately removed from the site.
- 7. LVI Environmental Services, Inc. will maintain a bag disposal log numbering each bag of waste with an indelible black ink pen. Copies of this log will be submitted to the Owner for final payment.
- 8. LVI Environmental Services, Inc. will transport all sealed bags to an approved sanitary landfill disposal site. Disposal will be in accordance with the Environmental Protection Agency and New Jersey Department of Environmental Protection.

A.R.T., Inc. Page 31 of 36

03/05/07

9. LVI Environmental Services, Inc. will be responsible for obtaining approval of an asbestos waste disposal site in compliance with Section 61.25 of the E.P.A. regulations and all other Federal, State and Local regulations. All transportation will be performed by a registered waste hauler. LVI Environmental Services, Inc. will arrange with the transporter to obtain copies of receipts from the disposal site, indicating that the asbestos waste was disposed. LVI Environmental Services, Inc., in turn, will forward copies of such receipts to the Owner/Owner's Representative.

A.R.T., Inc. Page 32 of 36

- 9. LVI Environmental Services, Inc. will be responsible for obtaining approval of an asbestos waste disposal site in compliance with Section 61.25 of the E.P.A. regulations and all other Federal, State and Local regulations. All transportation will be performed by a registered waste hauler. LVI Environmental Services, Inc. will arrange with the transporter to obtain copies of receipts from the disposal site, indicating that the asbestos waste was disposed. LVI Environmental Services, Inc., in turn, will forward copies of such receipts to the Owner/Owner's Representative.
- 10. In the event of release of asbestos, outside of a containment, in excess of 1 pound, the following notification will be made
 - a. Section 103 of CERCLA requires the "person in charge" of a facility or vessel, as soon as he or she has knowledge of a release of a hazardous substance in an amount equal to or greater than an RQ, to report the release immediately to the NRC. The NRC number is 1-800-424-8802, or (202) 267-2675 in the Washington, DC area.
 - b. Under section 304 of EPCRA, the "owner or operator" of a facility is required to report immediately to the appropriate State emergency response commissions (SERCs) and local emergency planning committees (LEPCs) when there is a release of a CERCLA hazardous substance or of an extremely hazardous substance (EHS) at or above the RQ.
 - c. When reporting a release, the person making the report should provide as much of the following information as possible:
 - Name, address, and telephone number of the person reporting and the responsible party;
 - Specific location of the incident;
 - Date and time the incident occurred or was discovered;
 - Name of the chemical/material released;
 - Source and cause of the release;
 - Total quantity discharged;
 - Medium into which the substance was discharged;
 - Amount spilled into water:
 - Weather conditions; Name of the carrier or vessel, the railcar/truck number, or other identifying information;
 - Number and type of injuries or fatalities;
 - Whether an evacuation has occurred:
 - Estimation of the dollar amount of property damage;
 - Description of current and future cleanup actions; and
 - Other agencies notified or about to be notified.
 - > Simultaneously with the notification, the Asbestos abatement contractor will
 - 1. Establish a 50 foot Exclusion Zone around the spill area.
 - 2. Wet any spilled material with amended water.
 - 3. Bag all spilled material.
 - 4. HEPA vacuum the spill area
 - 5. Await further instructions from any adgency with jurisdiction.

This page is to replace Page 32 of the Cornell – Dubillier Electronics Superfund Site Asbestos Abatement Specification Date: 03/05/07 Revision: 3

03/05/07

17.0 QUALITY ASSURANCE AIR MONITORING

1. Air monitoring on this project will be conducted by the Industrial Hygiene Technician to furnish testing and reports of test results. See Attachment C for forms to be used.

- 2. The Abatement Contractor will fully cooperate with the Industrial Hygiene Technician, and all others responsible for testing and inspecting the worksite. It is the responsibility of the Abatement Contractor and LVI Environmental Services, Inc.'s personnel to cooperate fully with the efforts of the Industrial Hygiene Technician at all times and ensure the ease of access to and from the contaminated area for the effective completion of the monitoring program. Please be advised that tampering with any equipment involved with these tests or inspections will be considered an attempt at falsifying reports and records to Federal and State agencies, and each offense will be prosecuted under applicable State and Federal laws to the fullest extent possible.
- 3. Air monitoring will be conducted prior to the abatement procedures, daily throughout the asbestos abatement project and during the initial phases of clean up by the Industrial Hygiene Technician in order to verify the quality and effectiveness of the job being done.
- 4. Filter cassettes and sampling train will be assembled as specified in NIOSH #7400.
- 5. Asbestos in Air samples will be collected using a Gast Manufacturing High Flow Pump (Model 1532)
- 6. The flow rate will be between 5 and 10 liters per minutes The total volume will be a volume sufficient to achieve a detection limit of <0.01 F/cc for PCM and < 70 structures per square millimeter for TEM.
- 7. Pumps will be calibrated immediately before and after sampling, using a Rotameter which has been calibrated to a Bubble Meter.
 - a. Rotameters will be calibrated to a Bubble Meter on a monthly basis.
 - b. A record will be kept of the Bubble Meter Calibration and the Daily Rotameter readings taken in the field.
- 8. Blanks. A minimum of two (2) blanks or 10%, whichever is greater, will be taken. Blanks will be divided by the work shift. One (1) or more blanks will be taken with the first round of samples and one (1) or more blanks will be taken with the second round of samples.
- 9. Samples will be immediately delivered to the appropriate AIHA participating laboratory as follows;

PCM (area samples) - A.R. T., Inc. / ATC as backup lab.

TEM / PLM - ATC
Personnel samples (PCM) - Final - Aire

- 10. The following area samples will be collected during the removal phase:
 - a. Area Sampling of Work Area For the purpose of determining if fibers are escaping into adjacent areas, the sampling device will be placed inside and outside locations where potential contamination could occur and will be moved periodically to assess the contamination potential of adjacent areas at critical points as determined by the Industrial Hygiene Technician.
 - 1) Sample flow rates will be between 5 10 LPM, for a total volume of approximately 1,300 liters.
 - 2) If fiber levels exceed 0.01 f/cc, the Industrial Hygiene Technician has the authority to stop work and have the problem corrected..
 - b. Post-Removal Sampling The purpose of this test is to establish the final clearance criteria.

A.R.T., Inc. Page 33 of 36

03/05/07

- 1) Post removal sampling will consist of five (5) samples, inside the contaminated area and five (5) samples outside the contaminated area.
- 2) For Phase Contrast Microscopy (PCM), the final clearance criteria will be five PCM samples all having a reading of <0.01 f/cc or background.
- 3) For Transmission Electron Microscopy (TEM), when necessary, the final clearance criteria will be;
 - i. Five (5) air samples collected within the contaminated area, having <70 s/mm². by the average concentration of asbestos of
 - ii. The Transmission Electron Microscopy (TEM) Method in Appendix A of Subpart E of 40 CFR, Part 763 "Asbestos-Containing Materials in Schools" will be followed.

A.R.T., Inc. Page 34 of 36

Date: Revision: 03/05/07

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18.0 SCOPE OF WORK

LVI Environmental Services, Inc. will provide Work Plan.

Cornell -	Dubillier	Electronics	Superfund	Site
Asbestos	Abatemen	t Specificati	ion	

Date: Revision: 03/05/07

APPENDIX A: CERTIFICATE OF WORKER ACKNOWLEDGEMENT

I have read and reviewed the site-specific Asbestos Abatement Plan for the Cornell – Dubillier Electronics Superfund Site. I understand the information presented in it and will comply with the provisions contained therein.

PRINT NAME:	
SOCIAL SECURITY:	XXX-XX-
SIGNATURE:	
DATE:	

Date:

03/05/07

Revision: 3

ATTACHMENT A HAZARD ANALYSIS

A.R.T., Inc.

Att. A

Date:

03/05/07

Revision: 3

ACTIVITY HAZARD ANALYSIS

Liam O. Horgan, CIH;

ACTIVITY: Asbestos Removal Friable & Non Friable

ANALYZED BY / DATE:

February 2007

PRINCIPAL STEPS	POTENTIAL BAZARDS	recommended Controls	EQUIPMENT TO BE USED	inspection requirements
1) Containment Setup	 Slip, Trip, Fall Inhalation of spray glue. Use of sharp tools. Use of heavy tools Roof collapse. 	Keep work area clear of debris. Use established access routes. Use glue in well ventilated areas. Wear gloves. Proper lifting techniques Provide overhead protection.	Hand tools. Power Tools Ladders	Containment Signoff. Daily Inspection. See Asbestos Abatement Plan
2) Friable Abatement	Same as above. 6) Inhalation and transportation of asbestos containing dust.	Same as above. ½ Mask Respirator w/ 100 Rated Filter. Disposable PPE. Attached Decontamination Procedures Full Containment & Abatement Procedures. Personnel & Environmental Monitoring.	Same as above HEPA Vacuums Negative air filtration unit Hudson Sprayers Portable Showers	Containment Signoff. Daily Inspection. Final inspection by NJDCA accredited Air Monitoring Technician. See Asbestos Abatement Plan Daily inspection of work area, access routes, and site zonation by Supervisor. Daily inspection of heavy equipment, by operator. Inspection of respirator prior to each use.
3) Non Friable Abatement	Same as above	Remote Decontamination w/ Double Suite Procedures. Glovebag for TSI. Wet Methods for Transits, Roofing, Debris, & VAT.	Same as above	Same as above

Date: Revision: 02/08/07

ATTACHMENT B LABORATORY CERTIFICATIONS

NEW YORK STATE DEPARTMENT OF HEALTH WADSWORTH CENTER

Antonia C. Novello, M.D., M.P.H., Dr.P.H.



Expires 12:01 AM April 01, 2007 Issued April 01, 2006 Revised August 25, 2006

CERTIFICATE OF APPROVAL FOR LABORATORY SERVICE testand in menticinans with and pursuant to section 502 Public Health Low of New York State

MS. MILENA BONEZZI ATC ASSOCIATES INC 104 EAST 25TH 10TH FLOOR NEW YORK, NY 10010 NY Lab ld No: 10879 EPA Gab Occis: NY01349

is horoby APPROVED as an Environmental Laboratory for the category ENVIRONMENTAL ANALYSES SOLID AND HAZARDOLIS WASTE All approved subcategories and/or analytics are listed below:

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s in Non-Prisite Material-TEM TEM 198.4 OF MANUAL

EPA 7420

EPA 7420

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HEW YORK STATE DEPARTMENT OF HEALTH WADSWORTH CENTER

Antonia C. Novello, M.D., M.P.H., Dr.P.H.



Expires 12:01 AM April 01, 2007 feducid April 01, 2003 Revised August 25, 2006

CERTIFICATE OF APPROVAL FOR LABORATORY SERVICE Instead in accordance with and pursuant to seed in 502 Public Health I now of New York State

MS. MILENA BONEZZI ATG ASSOCIATES INC 104 EAST 28TH 10TH FLOOR NEW YORK, NY 10010 NY Leb ld No: 10879 EPA Leb Codn: NY01349

is hereby APPROVED as an Environmental Laboratory in conformance with the National Environmental Laboratory Accreditation Conference Standards for the category ENVIRONMENTAL ANALYSES AIR AND EMISSIONS All approved analyses are listed below:

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NIOSH 7082

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Expended Particulates

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401 of 1



United States Department of Commerce National Institute of Standards and Technology



Certificate of Accreditation to ISO/IEC 17025:1999

NVLAP LAB CODE: 101187-0

ATC Associates Inc.

New York, NY

is recognized by the National Voluntary Laboratory Accreditation Program for conformence with criteria set forth in NIST Hendbook 150:2001 and all requirements of ISO/IEC 17025:1999.

Accreditation is granted for specific services, listed on the Scope of Accreditation, for:

BULK ASBESTOS FIBER ANALYSIS

2006-07-01 through 2007-06-30

- Fillection risks



For the National Institute of Standards and Technology

NEW YURK STATE DEPARTMENT OF HEALTH WADSWORTH CENTER

Antonia C. Nowallo, M.D., M.P.H., Dr.P.H.



Expires 12:01 AM April 01, 2007 Issued April 01, 2000 Revised August 25, 2006

CERTIFICATE OF APPROVAL FOR LABORATORY SERVICE

leaved in accordance with and pursuant to matter 802 Public Health Law at New York State

MS. MILENA BONEZZI ATC ASSOCIATES INC 104 EAST 25TH 10TH FLOOR NEW YORK, NY 10010 NY Lab Id No: 10879 EPA Lab Code: NY01349

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is hereby APPROVED as an Environmental Laboratory for the cetegory ENVIRONMENTAL ANALYSES AIR AND EMIRSIONS All approved subcategories endor enabyles are listed below:

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NIOSH 7400 A RULES

erial No.: 30808

emply of the How York State Department of Hostin. Verild only at the address shown. Must be approximate position. Vesti positionals have a called Assi. Continued accordization departed on disturbible originary participation to the Program. Consumers are urped to said (610) 465-66 to to divisionality's magnetication states.

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United States Department of Commerce National Institute of Standards and Technology



Certificate of Accreditation to ISO/IEC 17025:1999

NVLAP LAB CODE: 101187-0

ATC Associates Inc.

New York, NY

is recognized by the National Voluntary Laboratory Accreditation Program for conformance with criteria set forth in NIST Handbook 150:2001 and all requirements of ISO/IEC 17025:1999.

Accreditation is granted for specific services, listed on the Scope of Accreditation, for:

AIRBORNE ASBESTOS FIBER ANALYSIS

2006-07-01 through 2007-06-30

Effective defer



For the Milliand institute of Standards and Technology



SCOPE OF ACCREDITATION TO ISO/IEC 17025:1999

ATC Associates Inc. 104 F. 25th Street 10th Floor New York, NY 10010

Ms. Milena Bonezzi

Phone: 212-353-8280 x247 Fax: 212-353-8306 F-Mail: milena.bonezzi@atcassociates.com

BULK ASBESTOS FIBER ANALYSIS (PLM)

NVLAP LAB CODE 101187-0

Scope Revised: 2006-08-23

NYLAP Code Designation / Description

18/A01

EPA-600/M1-82-020: Interim Method for the Determination of Asbestos in Bulk Insulation

Samples

2006-07-01 through 2007-06-30

-Mersive cipies

For the National Insulate of Standards and Tacle subup

MAR ARLANS (MEV 2005-05-18)



The American Industrial Hygiene Association

acting wiedges that

ATC Associates, Inc.

104 East 25th Street, 10th Floor, New York, NY 10010

Laboratory ID: 100229

has faililled the requirements of the AlbiA Laboratory Cuality Assurance Programs (LQAP), thereby, conforming to the 180/IPC 17025 interestional standard, General Requirements for the Competence of Tankey and Calibration Laboratories. The above named laboratory has been accredited by AIMA in the following.

ACCREDITATION PROGRAMS

Acoreditation Expires 06/01/2007 **NUDUSTRIAL HYGIENE** Accreditation Expires: 06/01/2007 ENVIRONMENTAL L'EAD ENVIRONMENTAL MICROBIOLOGY Accreditation Expires: 06/01/2007 FOOD UNIQUE SCOPE

Accreditation Expires: Accorditation Expires:

Specific categories of testing, within each Accordington Program, for which the above named inhoratory maintains moved fation is cuttions on the attached Scope of Accreditation. Confined accreditation is centiagen; upon successful on-going examplescop with LOA? requirements. This partificate is not valid without the attached Scope of Accreditation.

Africally Proble Cerberly A. Rathe, Citi

Chairperson, Analytical Accreditation Board

Dorara M. Dogardero, CIN President AIRA

Date Issued: 05/24/2004



SCOPE OF ACCREDITATION TO INU/IEC 17025:1999

ATC Associates Inc. 104 B. 25th Street 10th Floor New York, NY 10010 Ms. Milena Bonezzi

Phone: 212-353-8280 x247 Fax: 212-353-8306 F-Mail: milena.bonezzi@ateassociates.com

AIRBORNE ASBESTOS FIBER ANALYSIS (TEM)

NVLAP LAB CODE 101187-0

Scope Revised: 2006-08-23

NVLAP Code

Designation / Description

18/A02

U.S. EPA's "Interim Transmission Electron Microscopy Analytical Methods-Mandatory and

Noumandatory-and Mandatory Section to Determine Completion of Response Actions" as

found in 40 CFK, Part 763, Subpart B, Appendix A.

2006-07-01 through 2007-06-30

Effective deles

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AND ARROSE INTEL SOCIALISM

NEW YORK STATE DEPARTMENT OF HEALTH WADSWORTH CENTER

Antonia C. Novello, M.D., M.P.H., Dr.P.H.



Expires 12:01 AM April 01, 2007 Issued April 01, 2006 Revised May 22, 2006

CERTIFICATE OF APPROVAL FOR LABORATORY SERVICE

Issued in accordance with and pursuant to section 502 Public Health Law of New York State

MR. PAUL OTTENS ASSESSMENT RESOURCES & TECHNOLOGIES 111 JOHN STREET #538 NEW YORK, NY 10038 NY Lab Id No: 11004 EPA Lab Code: NY01393

is hereby APPROVED as an Environmental Laboratory for the category ENVIRONMENTAL ANALYSES AIR AND EMISSIONS
All approved subcategories and/or analytes are listed below:

Miscellaneous Air

Fibers

NIOSH 7400 A RULES

Serial No.: 30253

Property of the New York State Department of Health. Valid only at the address shown. Must be conspicuously posted. Valid certificates have a related seat. Continued accreditation depends on successful ongoing participation in the Program. Consumers are urged to call (518) 485-5570 to verify laboratory's accreditation status.

Fields of Accreditation Listing

Data as of: Monday, January 08, 2007

11004 ASSESSMENT RESOURCES & TECHNOLOGIES

Air and Emissions

Miscellaneous Air

Fibers

Method

NIOSH 7400 A RULES 4587

_ _ _

Technology PCM Status* NELA

ELAC"

PAA*** NY1



Asbestos Analysts Registry

QUALITY

AAT Performance Results Report

2700 Prosperity Ave., Suite 250, Fairfax, VA 22031 • Phone: (703) 849-8888 • Fax: (703) 207-3561

Paul Ottens Assessment Resource & Technologies, Inc. 111 John Street, Suite 538 New York, NY 10038 7/13/2006 Laboratory ID: 100228

REPORT OF PERFORMANCE FOR ROUND # 78, ORGANIZATION # 100228

The following individuals have met all the requirements* for listing in the Asbestos Analysts Registry (AAR) and have been approved by the AIHA Analytical Accreditation Board (AAB):

		1			***************************************					1	Outliers		1
ID	Name	i 	RESULT	\$ (f/mm2) FOR TH	E CURRI	ENT ROU	ND (R78)		R78	R77	TOT	Performance
1608	Ottens, Paul	A781	0341	B781	0446	C781	0427	D781	0518	0	D	0_	Acceptable
7894	Wismer, Joseph	A781	0355	8781	0422	C781	0438	D781	0509	0	0	0	Acceptable

The following individuals have applied for listing in the AAR and are in the process of gaining AIHA AAB approval status, but have not met all the criteria*:

			**************************************			**************************************		Outliers	; ; ;	
i.	ID .	Name	RESULT	S (f/mm2) FOR TI	4E CURRE	NT ROUND (R78)	R78	R77	TOT Performan	Ce
Ţ	;									

The determination of outliers for the above results is based on the following performance limits:

Reference Values for Round #78

Sample ID:	A781	B781	C781	D781	T	ı— ··-	1-	··· ·r	 	Ţ		
Lower Limit:	141	167		196		 -			 	ļ	t	
Ref Value:	283	335	341	393		1	1		 i	 		
Upper Limit:	566	670	682	786						1		

*Criteria for AlHA Analytical Accreditation Board Approval:

- An organization has to be reviewed and approved by AAR Reviewers and has to meet all the requirements of the most current AAR Policies and NIOSH 7400 method.
- 2. An analyst has to have completed two (2) consecutive AAT rounds with no greater than 2 outliers combined.
- 3. After the round in which an analyst gains proficiency, the analyst will go on ballot for AAB approval. Board approval letters will be sent to the analyst approximately 2 weeks after the results for the round are posted / malled. Board approval is not granted until after the ballot is closed and approved.

Notes:

- 1. It is the organization's responsibility to thoroughly review results and to immediately contact AlHA in writing to request removal from the Asbestos Analyst Registry for any analyst who is no longer a member of their organization.
- Unacceptable performance may be improved by correctly analyzing a set of RETEST samples. RETEST Sample Forms are provided in each shipment of AAT samples. You may also contact AlHA at 703-849-8888.
- If an analyst is unable to participate, he/she must request from AIHA an "Excused Absence" from the AAT round prior to the closing of the round. Please note that an "Excused Absence" will not be granted for consecutive rounds.

Legend:

- "--" denotes that the analyst did not submit any data (resulting in 4 outliers).
- "~" denotes that a sample ID or sample result was not within acceptable range.
- "X" denotes that the analyst was not enrolled in the specified round at the time of testing.
- "E" denotes an approved excused absence.



Asbestos Analysts Registry

QUALITY

AAT Performance Results Report

2700 Prosperity Ave., Suite 250 Fairfax, VA 22031 • Phone: (703) 849-8888 • Fax: (703) 207-3564

1/12/2007 Laboratory ID: 100228 sologies, inc.

Paul Ottens Assesment Resource & Technologies, inc. 111 John Street, Sulle 638 New York, NY 10038

REPORT OF PERFORMANCE FOR ROUND #80, ORGANIZATION # 100228

The following individuals have met all the requirements* for listing in the Asbestos Analysts Registry (AAR) and have been approved by the AIHA Analytical Accreditation Board (AAB):

											Onglets		
Ð	Maine		RESULT	18 (Ømeri	z) FOR TI	TE CURR	ENT ROL	JND (R80)	RS0	R79	TOT	Performance
1608	Ottens, Paul	A801	0270	B801	0420	C801	0370	D801	0435	0	0	0	Acceptable
7894	Wismer, Joseph	A801	0235	B80 1	0385	C801	0395	D801	0510	0	O	0	Acceptable

The following individuals have applied for listing in the AAR and are in the process of gaining AIHA AAB approval status, but have not met all the criteria*:

				Outliers		
10	Name	RESULTS (financ) FOR THE CURRENT ROUND (R80)	R80	R79	TOT	Performance

The determination of outliers for the above results is based on the following performance limits:

Reference Values for Round #80

Semple ID:	A801	B801	C801	D80 ⁻
Lower Limit:	138	179	201	226
(tof Value:	276	358	402	453
Unner Limit:	552	716	804	906

*Criteria for AlHA Analytical Accreditation Board Approval:

- An organization has to be reviewed and approved by AAR Reviewers and has to meet all the requirements of the most current AAR Policies and NIOSH 7400 method.
- 2. An analyst has to have completed two (2) consecutive AAT rounds with no greater than 2 outliers combined.
- After the round in which an analyst gains proficiency, the analyst will go on ballot for AAB approval. Board approval letters will be sent to the analyst approximately 2 weeks after the results for the round are posted / mailed. Board approval is not granted until after the ballot is closed and approved.

Notes:

- It is the organization's responsibility to thoroughly review results and to immediately contact AIHA in writing to request removal from the Asbestos Analyst Registry for any analyst who is no longer a member of their organization.
- Unacceptable performance may be improved by correctly analyzing a set of RETEST samples. RETEST Sample Forms are provided in each shipment of AAT samples. You may also contact AIHA at 703-849-8888.
- If an analyst is unable to participate, he/she must request from AIHA an "Excused Absence" from the AAT round prior to the closing of the round. Please note that an "Excused Absence" will not be granted for consecutive rounds.

Legend:

- "--" denotes that the analyst did not submit any data (resulting in 4 outliers).
- "~" denotes that a sample ID or sample result was not within acceptable range.
- "X" denotes that the analyst was not enrolled in the specified round at the time of testing.
- "E" denotes an approved excused absence.

Date:

02/08/07

Revision: 1

ATTACHMENT C

A.R.T., Inc. PROJECT FORMS

ART INC. DAILY PRE & POST ABATEMENT SIGNOFF SHEET

CLIENT:		LOCATION:	A	INSPECTO	OR SIGNATURE:					
PROJECT:		PHASE:		DATE:	SHIFT:					
				N./	A. NOT APPLICABLE					
		TTEM			PASS/FAIL COMMENT					
1) Critical / Isolation				· · · · · · · · · · · · · · · · · · ·						
2) Sealed objects int		<u>I</u>								
3) Work area clean.										
4) Bagged waste less than 50 y ³ .										
5) Temporary electric		w/ GFCI, functionin	g.							
6) Work Area poster										
7) Decontamination										
8) Negative Air	Filters chan			-	<u> </u>					
İ	Elapsed time			-						
C) 127-11 0- 171-0-01		s Water Column.								
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ART INC. ABATEMENT CONTRACTOR PERSONNEL DAILY LICENSE LOG

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ART INC. FINAL CLEARANCE SIGNOFF SHEET

CLIENT:	LOCATION:	INSPECTOR:
PROJECT:	PHASE:	DATE: SHIFT:
		N.A. NOT APPLICABLE
	ITEM	PASS/FAIL COMMENT
All surfaces dry. All abated surfaces free of resident controls.		
3) All vertical surfaces free of resid		· · · · · · · · · · · · · · · · · · ·
4) All horizontal surfaces free of residual		
5) Critical / Isolation barriers intac		
6) Decontamination units intact &		
7) First Cleaning. Pre encapsulation		2 Hours :
8) Second Cleaning. Waiting period		
9) Third Cleaning. Waiting period		
10) All bagged waste removed.		
11) Visual Inspection		
12) Negative Air operating. Flow	rate reduced ½ for air sampling.	
13) Final aggressive air sampling	performed. (List samples & result	s in
comments)		
14) Decontamination & Critical B	arriers removed.	
COMMENT:		
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FINAL VISUAL INSPECTION	2.	
AIR MONITORING SUCESSF		DATE:
FINAL BREAKDOWN APPRO		

ASSESSMENT, RESOURCES, & TECHNOLOGIES, INC. 111 John St. / NYC, NY 10038 - Phone (212) 785-0266 / Fax (212) 785-0234

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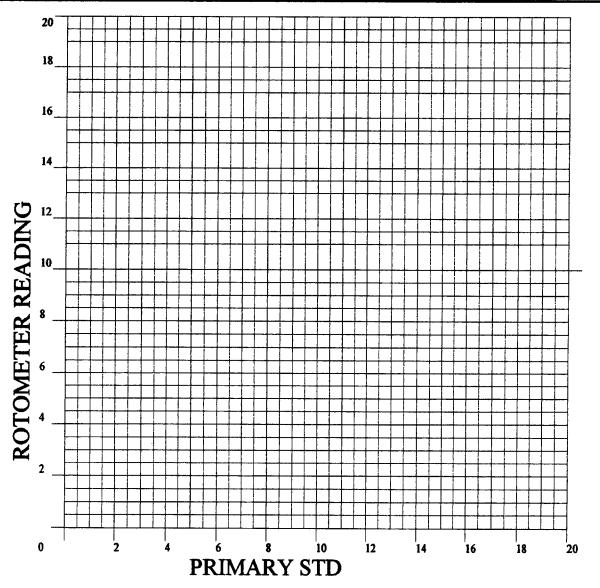
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ASSESSMENT, RESOURCES, & TECHNOLOGIES, Inc. ROTOMETER CALIBRATION WORK SHEET

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TRANSPORT:

ANALYSIS::

ART INC.

111 John Street; Suite 538: NYC, NY 10038 Phone (212)785-0266 / Fax (212) 785-0234 / Email art-corp.net

ASBESTOS IN AIR SAMPLE DATA SHEET

PROJECT DATA METHOD: ___NIOSH 7400 - PCM MICROSCOPE: CLIENT: DATE: SAMPLER: **SEVENSON** NIOSH 7402 - TEM _um / 25mm **TURNAROUND:** PROJECT: LOCATION: CALIB: FILTER: MCEF/ **CORNELL DUBILIER** LOT#: Normal SAMPLE DATA Q^{LLL} f/ce Sample Location Flow / Time T Vol Lab 1/1 (/mm (lpm) (L) s/mm² (min) (lpm) start end CHAIN OF CUSTODY Received Print, Sign, Date, Time Print, Sign, Date, Time SAMPLER #1: SAMPLER #2:

REPORT:

Liam O. Horgan, CIH

Industrial Hygienist/Environmental Engineer

310 East 71st Street; NYC, NY 10021 (917) 886-7386

BACKGROUND

Mr. Horgan is a Certified Industrial Hygienist with seventeen years experience in the industrial hygiene and environmental engineering fields. He has been responsible for the development, implementation and management of a wide variety of projects with emphasis in the hazardous materials field. Mr. Horgan has been involved in the management of investigations and remediations of over 200 hazardous waste sites with responsibilities ranging from project safety officer to project manager.

WORK EXPERIENCE

WURK EXPERI	LNCE
1/95 - Present	Assessment, Resources, & Technologies, Inc.
	Technical Director
12/89 to 1/95 -	U.S. Environmental Consultant Laboratories, Inc. NYC, NY
	President/Technical Director
4/87 to 12/89 -	Phoenix Safety Associates, Ltd. Valley Forge, Pa.
	Technical Director/Project Manager
9/83 to 4/87 -	Ebasco Environmental Services, Inc. Lyndhurst, NJ
	Health & Safety Officer/Project Manager
6/82 to 9/83 -	Nuclear Utility Services, Inc., Gaithersburg, MD.
	Air Chemist/Preliminary Assessment Group Leader
9/78 to 6/82 -	New Jersey Institute of Technology. Newark, NJ
	Research Assistant Air Pollution Research Laboratories

EDUCATION

DDCCMITON	
9/74 to 6/76 -	University of the City of New York, New York, NY
	Civil & Environmental Engineering
9/76 to 6/78 -	New Jersey Institute of Technology, Newark, NJ
	Bachelor of Science Environmental Engineering
9/78 to 6/82 -	New Jersey Institute of Technology, Newark, NJ
	Master of Science Environmental Engineering

CERTIFICATIONS

Mr. Horgan has certifications in the following areas:

- American Board of Ind. Hygiene. Comprehensive Practice of Industrial Hygiene (CIH #5329)
- Board of Certified Safety Prof. Comprehensive Practice Candidate
- OSHA 29CFR 1910 HAZWOPER; Worker & Supervisor
- EPA/HUD Lead EPA Region II Lead Risk (Cert. # NY-R-3882-1

KEY PROJECTS

Site Investigations

While working for the EPA Region II FIT contractor, Mr. Horgan was the Preliminary Assessment Group Leader for sixty-nine waste sites. In this capacity, he was responsible for the collection of information used to rank the site by the Myder Model for ranking on the National Priorities List. Mr. Horgan was responsible for the development of the building survey procedure use in the assessment of the South Plants at Rocky Mountain Arsenal. In addition, he has performed numerous Phase I assessments for property transfers and recently participated in the assessment of 65 postal facilities.

Site Operations & Management

Mr. Horgan has a strong background in the daily operations and management of various environmental projects. Typical experiences include:

Project Management for asbestos abatement at Madison Square Garden and several health care facilities for the District of Columbia.

Project Design and Development for the Building Demolition of the Cosden Chemical Coating Superfund Site. In this capacity, Mr. Horgan was responsible for the development of Health & Safety Plans, Bracing & Shoring Plans, Asbestos Abatement Plans, PCB Removal Plans, Metal Contaminated Building Demolition Plans, Environmental Protection Plans, Soil Erosion Protection Plans, Waste Transportation and Disposal Plans.

Project design and management for the assessment of hazardous waste site emissions impact on ambient air quality at twelve Superfund Sites in EPA Region I & II. Field Team Leader for the Newark Dioxin Survey, the Montclair Radon Survey, and the Wide Beach PCB Survey.

Health & Safety Responsibilities

Mr. Horgan's expertise in analytical chemistry has kept him deeply involved in the Health & Safety aspects of site investigations. Typical projects include;

Responsible for the development and implementation of the health and safety plan for numerous site investigations and remidiations, including Rocky Mountain Arsenal and Burnt Fly Bog.

Responsible for the independent evaluation of health & safety during the remedial action at Laquana Landfill and OSHA compliance surveys at numerous sites, including the New York City Transit Authority.

Site Safety Officer for Uniformed Services during WTC Recovery Operations

Construction Safety

Mr. Horgan's experience with hazardous waste site operations has necessarily included various aspects of construction safety. Typical experience includes;

Site Safety Audits of New York City Transit Authority shops.

Health and Safety Coordinator for all aspects of 29 CFR 1910 & 1926 for the installation of a methane venting system and a leachate collection and treatment system at the Freshkills Landfill.

Liam O. Horgan (cont'd)

Industrial Hygiene

Mr. Horgan has extensive industrial hygiene experience, which ranges form traditional concerns to the more esoteric concerns at hazardous waste sites. Typical experience includes;

OSHA Compliance Audits of Port Authority of New York & New Jersey -JFK Airport facility and American International Group facilities.

Development of abatement plans for biologically contaminated asbestos containing materials at Robert Woods Johnson Medical Center.

Indoor Air Quality Experience

Mr. Hogan's expertise has enabled him to design and implement numerous Indoor Air Quality Programs. Typical projects included IAQ investigations of Large Commercial Facilities and mold remediation in schools. In addition Mr. Horgan was responsible for the design, implementation, and interpretation of sampling plans to clear approximately 2 million square feet of office space after the WTC Disaster.

Training Experience

While working for Ebasco Environmental Services, Mr. Horgan was responsible for the development and implementation of a training program to meet the requirements of 29 CFR 1910.120. In this and subsequent positions, he has been responsible for the initial and refresher training of over 2000 hazardous waste site workers. In addition, Mr. Horgan is an instructor at New York University, School of Continuing Education and has been involved in training programs for asbestos, lead, environmental investigators, and indoor air quality. Typical clients included General Service Administration, Westchester Department of Public Works and the New York City School Construction Administration. Mr. Horgan serves as an instructor for many OSHA required training programs. As part of his continuing education, Mr. Horgan has successfully completed two Train The Trainer courses.

Business Experience

Since 1989, Mr. Horgan has acted as president of his own consulting company. In this capacity, he has gained valuable experience in marketing, accounting, and costing.

PUBLICATIONS AND PRESENTATIONS

- American Industrial Hygiene Association, 1990 Annual Meeting:
 Evaluation of a Programmed Thermal Desorber for the Analysis of Personnel Air Samples during the Remedial Investigation at a New York City Landfill
- Building Owner Management Institute 1996 BOMI Regulatory Compliance Manual Technical reviewer for; Indoor Air Quality / Air Emissions / SARA Title III
- American Industrial Hygiene Association, 2000 Annual Meeting:
 Application of a Hearing Conservation Program in Large Commercial Facilities.

PROFESSIONAL AFFILIATIONS

- American Industrial Hygiene Association,
- American Board of Industrial Hygiene
- New York Metro Industrial Hygiene Chapter

American Board of Industrial Hygiene ABIH



organized to improve the practice of Industrial Hygiene proclaims that

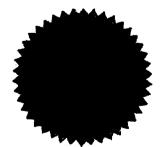
Liam O. Horgan

having met all requirements through education, experience, and examination, is hereby certified in the

COMPREHENSIVE PRACTICE of INDUSTRIAL HYGIENE

and has the right to use the designations

CERTIFIED INDUSTRIAL HYGIENIST



CIH

December 9 1991

date

Kenneth M. Walling for Chairman ABIH

5329

certificate number Morch Herre Secretary ABIM

AMERICAN BOARD OF INDUSTRIAL HYGIENE

6015 West St. Joseph . Suite 102 . Lansing, Michigan 48917-3980 . (517) 321-2838



February 5, 1998

Liam O. Horgan, CIH 310 East 71 Street New York, NY 10021

(212) 472-9075

Dear Mr. Horgan,

RY J. REALKLIELL, PAG., CIR

I am pleased to inform you that your Certification Maintenance Worksheet has been reviewed by the Board and your professional activities for 1992-1997 have been found to fulfill the Board's requirements. Your new CM cycle runs for five calendar years from January 1, 1998 to December 31, 2002. Your next recertification worksheet must be submitted no later than February 1, 2003.

VIY BROPHY, Ph.D., CH w York State romest of Labor

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NA M. PRIETO, JD, CIH

LYNN C. O'DOMELL. CH

Enclosed you will find your CM sticker which attests to your continued certification. You should place this sticker on your certificate. Please note that the expiration date is December 31st of your 6th year. This is to allow time for submission, review, possible audit and approval of your next worksheet. You may wish to begin to record your points for

the next five year cycle and can do so on the enclosed CM Worksheet.

You will also be receiving an embossing seal within 6-8 weeks which gives your name, certification number and CM expiration date. The Board hopes that your use of this embossing seal will contribute to the promotion of industrial hygiene.

The Board appreciates your continued professional service and your support of the Certification Maintenance Program.

In the meantime, please remember that it is your responsibility to inform us of any address changes and keep current with your annual dues.

Very truly yours,

Roy J. Covert. CIH Secretary, ABIH

F:WP\CMOKAY97

AMERICAN BOARD OF INDUSTRIAL HYGIENE®

6015 West St. Joseph • Suite 102 • Lansing, Michigan 48917 • (517) 321-2638 (517) 321-4624 Fax www.abih.org • e-mail:abih@abih.org



HIS GL STRING MAKE

Vice-Chair

MANY L. PERKINS, Ph.D., CIH School of Public In in Regional Carry

Secretary

KIRBY P. JAMES, CIH, ROH

THOMAS A HETHMON, CIH, ROM ker Materials Corpored

Directors

HARRY J. BEALLIEU, PNO, CIH, CSP

FRIEDA FISHER-TYLER, CIH laware Department of Public Health

DAVID M. GIORELLO, JR., CIH, CSF dustrial Health & Safety Consultants,

BARBARA C. HARGIS, CIH, CSP Los Alamos National Laboratory

DON W. HARVEY, CIRL CSP

NORMAN W. HENRY, UR, CHI DePost de Nemours & Co., Inc. F | Dellegt du Ma

BRUCE A KARAS, CBI, CSP, ROH Coca-Cola Fountain

LAWRENCE D. KORNREICH, Phill. CIN

CHRIS LASZCZ-DAVIS, CIH The Environmental Quality Organization

MICHAEL A MILLER, CH by Environmental Health Cer

ROSEMARY E. PATNODE, CIH, CSP

BRENDA PITTINAN, CIH, CSP ogon Department of Transportat

WILLIAM JOHN POPENDORF, PhD, CH Litah State Driversity

PHILIP S. STERN Colorado Project/TIP, Inc

BONNEL WEEKS, CIH

Francisco Circuitos LYNN C. O'DOMNELL, CBI February 25, 2003

Liam O. Horgan, CIH 310 East 71st Street, #2D New York, NY 10021

Dear Mr. Horgan,

I am pleased to inform you that your Certification Maintenance Worksheet has been reviewed by the Board and your professional activities have been found to fulfill the Board's requirements. Your new CM cycle runs for five calendar years from January 1, 2003 to December 31, 2007. Your next re-certification worksheet must be submitted no later than February 1, 2008. Diplomates submitting a CM Worksheet postmarked after the February 1 deadline will be required to pay a \$100.00 late fee.

Enclosed you will find your CM sticker which attests to your continued certification. You should place this sticker on your certificate. Please note that the expiration date is June 1st of your 6th year. This is to allow time for submission, review, possible audit and approval of your next worksheet. You may wish to begin to record your points for the next five year cycle and can do so on the enclosed CM Worksheet.

The Board appreciates your continued professional service and your support of the Certification Maintenance Program. Certification maintenance changes will be reported in the ABIH Newsletter and at the ABIH web site (abih.org).

In the meantime, please remember that it is your responsibility to inform us of any address changes and keep current with your annual renewal fee.

Very truly yours,

Kirby P. James, CIH, ROH

Secretary, ABIH

Mergedocs\CMOKAY02

sering and Scientific Specialty Rough

LVI Asbestos Hazard Control Work Plan

Revision 2

Cornell - Dubilier Electronics Superfund Site Middlesex County, New Jersey

Cluster 1-11

Prepared For:

U.S. Army Corps of Engineers

USACE Contract Number - W912DQ-04-D-0023 Task Order - 0007 Operating Unit 2

Prepared By:

LVI

March 13, 2007

Cornell-Dublier Superfund Site South Plainfield, NJ

1. Description of work/ Abatement Work Tasks

The following is a description of asbestos containing material and procedures to be followed for abatement of said materials.

LVI asbestos workers shall be equipped with all applicable personal and protective equipment, (i.e. Hard hats, boots, gloves, eye protection, coveralls, respirators, fall protection equipment and systems) Workers and Supervision shall be licensed in the state of New Jersey for asbestos abatement. Medical Evaluation and fits testing documentation shall be provided for all on site LVI employees.

LVI's on site Supervisor/ Competent Person shall be responsible for all aspects of LVI's work site safety; daily huddle safety meeting shall be held each morning. Copies of safety meetings shall be made available on site.

LVI site supervisor shall be responsible for OSHA personal monitoring. Results shall be made available on site for review.

2. Roofing/Flashing

- Stable structures- Roofing and flashing material are to be manually removed with full wet procedures. A remote decontamination facility shall be utilized. Workers shall utilize all applicable fall protection and PPE (double suited). Work areas shall be demarcated. Roofing materials shall be loaded into double lined open top containers via closed chute. Gross debris shall be loaded into dumpsters on a daily basis.
- Condemned Structures -Roofing and flashing material shall be removed by
 others with heavy equipment. A remote decontamination unit shall be utilized.
 LVI shall assist in establishing a work zone with caution tape, poly and the
 appropriate signage; Roofing materials shall be kept wet during all phases or
 removal and loading for disposal. Roofing materials shall be loaded directly into
 double lined open top containers or staged in a designated work area and roofing
 materials shall be segregated /separated from the roof substrate by hand.

3. Pipes and Fitting Insulation

A remote decontamination unit shall be utilized. Workers shall be double suited and equipped with the appropriate PPE. The work area shall be demarcated with caution tape and the appropriate signage, LVI shall utilize glove-bag procedures. Poly drop clothes shall be placed below piping insulation being abated. Waste shall be double bagged and labeled for disposal in closed lockable containers. (Cut and wrap methods may be utilized where feasible)

4. VAT (Vinyl Asbestos Tile)

VAT shall be removed under full containment procedures with an attached decontamination unit. Work areas shall be established with the use of 6 ml. Fire retardant poly for critical barriers, separation barriers and wall poly. Work areas shall be demarcated and equipped with negative air. (.02 inches water column) a manometer shall be used and monitored by the LVI supervisor. VAT shall be wetted and amended water and kept adequately wet during removal, clean up and bagging for disposal.

5.Transite

Transite panels and sliding shall be removed manually. LVI shall utilize a remote decontamination unit. Work areas shall be demarcated with caution tape and with the appropriate signage. Poly drop clothes shall be utilized. Panels and siding shall be wetted, removed and loaded into double lined open top dumpsters.

6.Caulking

Caulking shall be removed manually with small tools. LVI shall utilize a remote decontamination unit; Work areas shall be demarcated with caution tape and appropriate signage. Poly drop clothes shall be utilized. Caulking shall be wetted during removal and thru clean up procedure. Waste shall be double bagged for disposal.

7. Tank Insulation

LVI shall utilize full containment procedures with and attached decontamination unit, nanometer and negative air, Materials shall be adequately wetted, removed and doubled bagged for disposal in a closed lockable container.

8. Debris

LVI shall utilize a remote decontamination unit. Work areas shall be established demarcated, negative air shall be established. Debris shall be wetted and double bagged for disposal/ Horizontal substrates in the established work areas shall be hepa vacuumed and wet wiped.

9. Unexpected Discovery of Asbestos.

LVI shall immediately inform the on-site independent third party monitor and Sevenson of any suspect ACM. Suspect material shall be sampled for classification by the third party air monitor. LVI shall take precautionary measures as in sealing exposed suspect materials, wetting material and or clean up of suspect materials.

10. Asbestos Hazard Abatement Plan

- PPE- To include the following: Hard hats, boots, gloves, eye protection, disposable suits, respirators, first aid kits, fall protection equipment etc.
- Remote decontamination units shall be in close proximity to designated work areas. At times were a remote decontamination units is to be utilized, workers shall be using two disposable suits. Decontamination units for full containments shall be attached to the work areas; Personal decontamination units shall be

constructed in accordance with New Jersey regulations. LVI shall utilize one of the barrel roof structures as a lay down area for an office, equipment and supplies.

 Anticipated respiratory protection is to include the use if half face masks based upon historical data for the types of materials to be abated. Personal OSHA monitoring shall verify that LVI is utilizing the proper respirators with the proper protection factors.

11. Method of Notification

- All work areas shall be appropriately demarcated with caution tape and signage. Critical barriers shall be utilized where applicable.
- Interface with trades. LVI, Sevenson and the third party consultant shall work
 closely together in informing any trades that are required to be on site during the
 asbestos abatement process.

12. Storage and Disposal

Asbestos waste shall be placed in the appropriate sealed and labeled on site containers on a daily basis. LVI and Sevenson shall coordinate waste container placements and signatures for manifests.

13. Exhaust Equipment

Negative air machines shall exhaust from building exterior via manifolds that will be installed in windows, doors, or other structural openings. LVI shall have a sufficient number of negative air machines kept on-site as to prevent any unnecessary delays in work due to equipment mobilization after the work has started. See attached manufactured information

14. Air Monitoring

LVI shall perform worker OSHA monitoring. Personnel air samples will be sent to Final-Aire, Inc. or JLC Environmental Consultants, Inc. for analysis (See Attachment B for laboratory certificate). All other monitoring and or sampling shall be done by ART.

15. ACM fiber control

LVI will construct containments and utilize engineering controls such as wetting methods, installation and placement of negative air machines, HEPA vacuums and housekeeping.

16 Emergency procedures

LVI in coordination with Sevenson shall develop a muster point for emergencies. Each building shall have an emergency evacuation drawing posted by the work area entrance; Emergency telephone numbers for the local police, fire department and hospitals shall be

posted in the onsite LVI office. LVI shall utilize two way radios and cell phones for onsite communications.

Attachment A - Asbestos Waste Disposal Manifest and Hauler Identification

Attachment B - License, permit and notifications

Attachment C - Forms

Attachment D - Citations

Attachment E - Letter from David Roman, M.D.

Attachment F - Organization Chart and Resumes

Attachment G - Asbestos Workers Licensing, Respiratory Training and Medical Examination

Attachment H - Manufacture's Equipment and Material Safety Data Sheet

Safety and Health See Corporate Safety Manual
Respiratory Protection Program See Corporate Safety Manual

Attachment A

Asbestos Waste
 Disposal Manifest and
 Hauler Identification

Permit No. NYS DEC - NJ566 NJ DEP - 04509

NEWARK CARTING Inc.

PO Box 5670 Newark, NJ 07105 (973) 491-0034

DOCUMENT NUMBER AB (911555

WASTE SHIPPMENT RECORD

	1. WORK SITE NAME AND ADDRESS			Owner's N	lame	Owner's	Telephone	No.
	2. OPERATOR'S NAME AND ADDRESS		<u></u>			Operator's	: Telepho	ne No
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	3. WASTE DISPOSAL SITE (WDS)					WDS Tele	phone N	Ď.
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l	New York, NY 10007			Trenton,	New Jers	ey 08625		
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Form By Kenmy Little (201) 438-7267 - 1-orm newshirento

STATE OF NEW JERSEY DIVISION OF SOLID AND HAZARDOUS WASTE Bureau of Hazardous Waste Regulation PO BOX 414 Trenton, NJ 08625-0414 (609)-292-7081

NEWARK CARTING INC PO BOX 5670/369 RAYMOND BLVD NEWARK NJ 07105

Expiration Date: 06/30/07

Decal No. : 9964

Vehicle ID# : 1XP5LB0X6SN377426 NJ

License # ; AE191B

Certified : NEWARK CARTING INC

PO BOX 5670/369 RAYMOND BLVD NEWARK NJ 07105

DEP No. : 04509

Type: s

Transporter Vehicle Registration Card

SEE BACK FOR INSTRUCTIONS ON MOUNTING YOUR DECALS.

SOLID



State of New Jersey

Christine Todd Whitman Governor

Department of Environmental Protection Bureau of Licensing and Grants CN-414

Trenton, NJ 08625 (Phone) (609) 984--6590 (FAX) (609) 984-6874

June 28, 1996

Mr. Eugene Auletta Newark Carting, Inc. P.O. Box 5670 Newark, NJ 07105

RE:

Solid Waste Transporter License

N.J.S.A. 13:1E-126 et seq.

Dear Mr. Auletta:

This is to advise you that the investigation report from the Attorney General required under N.J.S.A. 13:1E-126 et seq. has been received by the Department of Environmental Protection.

Based on our review of the investigative report, the disclosure statement, your other application papers, and the Department's enforcement history, the Department is issuing a solid waste transporter license to:

. NEWARK CARTING, INC.

This letter will serve as documentation that a solid waste transporter license has been issued. This license must be renewed annually by filing the annual license update form and any other information concerning your company or its operation as required by the Department.

Questions regarding this Solid Waste Transporter License and vehicle registration should be directed to the Bureau of Licensing and Grants at (609) 984-6590. Questions regarding your Certificate of Public Convenience and Necessity should be directed to the Bureau of Solid Waste Regulation at (609) 984-2080.

Sincerely,

Alan Kaczoroski, Chref

Bureau of Licensing and Grants

AK/rh

Robert C. Shinn, Jr.

Commissioner



State of New Jersey

Christine Todd Whitman Governor

Department of Environmental Protection
Bureau of Licensing and Grants
CN-414
Trenton, NI 08625

Trenton, NJ 08625 Phone: (609) 984-6590 FAX: (609) 984-6874

June 28, 1996

Mr. Eugene Auletta Newark Carting, Inc. P.O. Box 5670 Newark, NJ 07105

RE: Authorization to Transport Asbestos & Asbestos Containing Waste

Dear Mr. Auletta:

This letter is in response to a recent request by your company with regard to your authorization to transport asbestos and asbestos containing waste.

In light of the fact that you have completed all requirements imposed by the Department, you are hereby authorized to engage in the collection and transportation of asbestos and asbestos containing waste in the State of New Jersey.

If you have any questions or require any further information, please contact me at (609) 984-6590.

Sincerely,

Alan Kaczoroski, Chief

Bureau of Licensing and Grants

AK/rh

Robert C. Shinn, Jr.

Commissioner

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July 26, 2005

Mr. Gene Auletta Newark Carting, Inc. PO Box 5670 Newark, NJ 07105

RE: Asbestos

Dear Gene:

Please see the attached copy of IESI Bethlehem Landfill's Operating Permit.

IESI Bethiehem Landfill is approved to accept Friable/Non-Friable Asbestos.

If you have any questions, please feel free to contact me at (610) 317-3200.

Sincere

Watson

IESI Bethlehem Landfill



May .14, 2003

Mr. Eugene Auletta Newark Carting, Inc. PO Box 5670 Newark, NJ 07105

Dear Mr. Auletta,

The IES! Bethlehem Landfill, operating under PADEP Permit No. 100020, is an existing, permitted, double lined municipal waste landfill located on Applebutter Road in Lower Saucon Township, Northampton County, Pennsylvania. The above permit authorizes the disposal of municipal, construction/demotition, asbestos and approved residual wastes at the site.

The newest expansion, Phase IV, was approved in April 2003 for an additional 46 acres of disposal area. This phase will be constructed with a double liner system that meets or exceeds all Pennsylvania Department of Environmental Protection and United States Environmental Protection Agency. Also, all leachate and landfill gas is collected and treated to meet or exceed all federal and state environmental regulations.

If you have any question or require additional information, please feel free to call me.

Sincerely.

Scott Werkheiser Compliance Manager IESI PA Corporation



State of New Jersey

James E. McGreevey
Governor

Department of Environmental Protection

Division of Waste Compilance & Enforcement & Release Prevention

401 East State Street, 4th Floor

P.O. Bax 422

Trenton, NJ 08625-0422

Phone # (609) 292-6704; Fax # (609) 292-9938

Bradley M. Campbell
Commissioner

March 11, 2002

Vincent J. Dotoli, Esq. Attorney at Law, P.A. Interstate 287 and McKinley Street P.O. Box 495 South Plainfield, NJ 07080-0495

Re: Request to amend NJAC 7:26-3.5(d)4, regulations pertaining to Asbestos

Dear Mr. Dotoli:

This letter is in response to your letter of October 29, 2001 to John Castner, Director of the Division of Solid and Hazardous Waste in which you requested an amendment to the above noted regulation. These regulations allow for asbestos or asbestos containing material to remain in an enclosed transportation container following collection for a maximum of 72 hours prior to transportation to an appropriately permitted landfill or transfer station.

As discussed with Director Castner, the regulations as adopted did not envision the potential limited schedules for disposal and need for advance appointments at the receiving disposal facilities handling asbestos. The Department recognizes that limitations imposed by these facilities coupled with the need to provide prompt service to asbestos abatement contractors may lead to situations where a delay between the collection and disposal dates is occurring. We believe that if the asbestos remains in a closed collection container subject to the conditions as outlined below, the underlying environmental goal of the regulation will be satisfied to protect against the release of asbestos to the air, land or waters of the State.

We also believe that your suggestion to add clarification language to our regulations has merit. At this time the Department has proposed solid waste regulations for readoption and cannot make significant changes without providing for a new proposal and rule adoption process including the opportunity for public comment. We will certainly maintain your request on file for appropriate consideration in our ongoing rule review and maintenance activities.

Pending such rule clarification changes, we believe that you can address these delays by appropriately completing the required Notification of Asbestos Abatement forms noting a

prospective date for disposal that differs from the scheduled completion date. A copy of the form that is filed with the Department should be maintained with the closed transportation container and shall be available for review by any authorized inspection personnel until final disposal occurs. Any container of asbestos shall remain sealed closed and no material of any kind shall be added to or removed from the containers prior to ultimate disposal at a permitted facility. The container(s) shall remain secured either in a locked fenced area or within the transporter's building at the transporter's property until the date on which disposal is scheduled to occur or 72 hours whichever is the lesser. Finally, the decal number(s) of the container(s) shall be listed on the 10-day notification form as well as required information such as the destination site and date of disposal and transporter information.

Thank you for bringing this matter to our attention. Should you have any questions regarding the scenario as presented above or any of the stated conditions, please call me at (609) 292-6704 or Rai Belonzi, Chief of the Bureau of Solid Waste Compliance and Enforcement at (609) 584-4180.

Sincerely,

Wolfgang Shacel, C.H.M.M., Director Waste Compliance & Enforcement &

Release Prevention

c: Rai Belonzi, Bureau Chief, Solid Waste Compliance & Enforcement John Castner, Director, Division of Solid and Hazardous Waste

\WCERP\Dotoli_3.doc

Attachment B

 License, Permit and Notifications

STATE OF NEW JERSEY NOTIFICATION OF ASBESTOS ABATEMENT (PURSUANT TO NJAC 8:60-7 AND 12:120-7

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State of New Jersey

DEPARTMENT OF LABOR AND WORKFORCE DEVELOPMENT

JON S. CORZINE Covernor DAVID J. SOCOLOW Commissioner

February 8, 2007

Frank Aiello, President LVI Environmental Services Inc. 462 Getty Avenue Clifton NJ 07011

Dear Sir/Madam:

This letter shall serve as official confirmation that your company's license to perform asbestos work in New Jersey (License # 00117, Type A, showing an expiration date of August 8, 2002) will remain in effect in accordance with N.J.A.C 12:120-4.9(a) until this office renders a determination on your company's application for license renewal. This extension authorization expires on May 8, 2007.

To continue to perform asbestos work as an employer, maintain this extension authorization letter (or copy) at your worksite with your company's previously issued asbestos license or duplicate license.

Should any prospective client have any concerns as to the validity of you New Jersey Asbestos License, please direct such matters to this office.

Sincerely,

Brian Lauter, Chief

Asbestos Control & Licensing

(609) 292-3926



AD-18G (7-06)

LANGE AND MUNICIPAL STREET

NEW YORK STATE DEPARTMENT OF HEALTH WADSWORTH CENTER

Antonia C. Novello, M.D., M.P.H., Dr.P.H.



Expires 12:01 AM April 01, 2007 Issued April 1, 2006

CERTIFICATE OF APPROVAL FOR LABORATORY SERVICE

issued in accordance with and pursuant to section 502 Public Health Law of New York State

MR. NICHOLAS ANASTASAKOS FINAL-AIRE INC 2051 EAST 24TH STREET BROOKLYN, NY 11229

NY Lab Id No: 11228 EPA Lab Code:

is hereby APPROVED as an Environmental Laboratory for the category ENVIRONMENTAL ANALYSES AIR AND EMISSIONS All approved subcategories and/or analytes are listed below:

Miscellaneous Air

Fibers

NIOSH 7400 A RULES

Serial No.: 29368

Property of the New York State Department of Health, Valid only at the address shown. Must be conspicuously posted. Valid certificates have a raised seal. Continued accreditation depends on successful origing participation in the Program. Consumers are urged to call (518) 485-6570 to verify laboratory's accreditation status.

NEW YORK STATE DEPARTMENT OF HEALTH WADSWORTH CENTER

Antonia C. Novello, M.D., M.P.H., Dr.P.H.



Expires 12:01 AM April 01, 2007 Issued April 01, 2006 Revised August 01, 2006

CERTIFICATE OF APPROVAL FOR LABORATORY SERVICE

Issued in accordance with and pursuant to section 502 Public Health Law of New York State

MS. JENNIFER CAREY
JLC ENVIRONMENTAL CONSULTANTS INC
30 WEST 26TH STREET 4TH FLOOR
NEW YORK, NY 10010

NY Lab Id No: 11029 EPA Lab Code: NY01330

is hereby APPROVED as an Environmental Laboratory for the category ENVIRONMENTAL ANALYSES SOLID AND HAZARDOUS WASTE All approved subcategories and/or analytes are listed below:

Miscellaneous

Asbestos in Friable Material

EPA 600/M4/82/020

Asbestos in Non-Friable Material-PLM

Item 198.6 of Manual (NOB by PLM)

Lead in Dust Wipes

APP. 14.2, HUD JUNE 1995

EPA 7420

Lead in Paint

EPA 7420

Serial No.: 30717

Property of the New York State Department of Health. Valid only at the address shown. Must be conspicuously posted. Valid certificates have a raised seal. Continued accreditation depends on successful ongoing participation in the Program. Consumers are urged to call (518) 485-5570 to verify laboratory's accreditation status.



The American Industrial Hygiene Association

acknowledges that

JLC Environmental Consultants, Inc.

30 West 26th Street, 4th Floor, New York, NY 10010

Laboratory ID: 100273

has fulfilled the requirements of the AIHA Laboratory Quality Assurance Programs (LQAP), thereby, conforming to the ISO/IEC 17025 international standard, *General Requirements for the Competence of Testing and Calibration Laboratories*.

The above named laboratory has been accredited by AIHA in the following:

ACCREDITATION PROGRAMS

✓	INDUSTRIAL HYGIENE	Accreditation Expires: 08/01/2007
✓	ENVIRONMENTAL LEAD	Accreditation Expires: 08/01/2007
	ENVIRONMENTAL MICROBIOLOGY	Accreditation Expires:
	FOOD	Accreditation Expires:
	UNIQUE SCOPE	Accreditation Expires:

Specific categories of testing, within each Accreditation Program, for which the above named laboratory maintains accreditation is outlined on the attached Scope of Accreditation. Continued accreditation is contingent upon successful on-going compliance with LQAP requirements. This certificate is not valid without the attached Scope of Accreditation.

Himberly Bethe

Kimberly A. Ruthe, CIH Chairperson, Analytical Accreditation Board Donna M. Doganiero, CIH President, AIHA

Date Issued: 09/20/2004

Accrediting Labs

1974 - 2004

OUND DATA



LVI Environmental Services Inc. 462 Getty Avenue Clifton, NJ 07011

Tel: (973) 772-3660 Fax: (973) 772-3668 www.lviservices.com

February 28, 2007

Paul Horner NJ Department of Health 36-35 Quaker Bridge Road Mercerville, NJ 08619

Re: Cornell Dubilier - 333 Hamilton Blvd., South Plainfield, NJ

Dear Mr. Paul Horner,

Please be advised that LVI Environmental Services, Inc. will not be on site for the above referenced asbestos abatement project from 3-01-07 thru 3-18 07.

Sincerely,

Steven Stiles Project Manager

cc: DOL



LVI Environmental Services Inc. 462 Getty Avenue Clifton, NJ 07011

Tel: (973) 772-3660 Fax: (973) 772-3668 www.lviservices.com

February 28, 2007

Thomas Voorhees
NJ Department of Labor
1 John Fitch Plaza
Third Floor
Trenton, NJ 08625-0392

Re: Cornell Dubilier, 333 Hamilton Blvd., South Plainfield, NJ

Dear Mr. Voorhees,

Please be advised that LVI Environmental Services, Inc. will not be on site for the above referenced asbestos abatement project from 3-01-07 thru 3-18-07.

Sincerely,

Steven Stiles

Project Manager

cc: DOH

Date _____ Accepted ____



LVI Environmental Services Inc. 462 Getty Avenue Clifton, NJ 07011

Tel: (973) 772-3660 Fax: (973) 772-3668 www.lviservices.com

February 28, 2007

Alice Adams US EPA 290 Broadway 21st Floor New York, NY 10007

Re: Cornell Dubilier 333 Hamilton Blvd., South Plainfield, NJ

Dear Alice,

Please be advised that LVI Environmental Services, Inc. will not be on site for the above referenced asbestos abatement project from 3-01-07 thru 3-18-07.

Respectfully submitted, LVI Environmental Services, Inc.

Steven Stiles Project Manager

Attachment C

Forms



Cornell-Dubilier

South Plainfield, NJ Superfund Site

Pre Abatement Building Survey

Date:						
Inspected by:	LVI Rep					
	Gov Rep		·			
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Overall conditionstructure	ion of				•	
Safety Concerns					•	
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Actions taken_						
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Date:_

Cornell-Dubilier

South Plainfield Superfund Site

Post Abatement Building Survey

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Inspected By:	LVI Rep		
	Gov Rep	•	
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General conditio	on of		
Building			•
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Attachment D

 Citations and work related Injuries.

	PROJECT				PROPOSED	
OFFICE	NAME/ADDRESS	AGENCY	DATE	DESCRIPTION	PENALTY	RESOLUTION
	44 Belmont Ave	NJDCA	03/04/04	(1)Objects not sealed.(2)Patch test not conducted.(3)Logbook not kepted.(4)Thickness gauge not used.	\$4,000	Paid \$4000.
NEW JERSEY	SL Green Realty Corp. 440 9th Ave.	NYDEP	03/06/04	(1) Electricity on in containment. (2)Fixed objects not wrapped. (3) Decon not to specifications.	\$13,500.00	item (2) dismissed. Paid Penalty on (1) and (3) \$6000.
NEW JERSEY	New York Hospital- Queens 5645 Main Queens, NY	NYDEP	04/15/04	(1) Did not construct decon as specified (2) Failed to install barrier over AC grill.	(1) \$3000 (2) \$6000	Item (2) dismissed. Paid Penaity on Item (1) \$3000.
NEW JERSEY	New York Hospital- Queens 5645 Main Queens, NY	NYDEP	04/22/04	(1) Bag material directly upon detachment. (2) Moveable object not removed. (3) Falled to sufficiently wet ACM.	(1) \$3000. (2) \$1500. (3) \$6000.	item (2) dismissed. Paid Penalty on item (1) and (3) \$9000.
NEW JERSEY	70-66 83rd Street/ 80-00 Cooper Street	NYDEP	05/05/04	(1) Seal walls & floors with 2 layers 6 Mil. (2) Handle detached ACM in safe manner. (3) No HEPA on power tool. (4) Clean and remove removable objects. (5) Install barriers.	(1) \$3000. (2) \$1500. (3) \$1000. (4) \$1000. (5) \$3000.	Items (1) and (4) dismissed. Paid Penalty on Items (2) (3) and (5)of \$10,000.
NEW JERSEY	140 West Street, Manhattan	NYDEP	06/08/04	Failed to wear appropriate PPE.	\$1,500.00	Paid \$1500
NEW JERSEY	186-01 73rd Street	NYDEP	09/13/04	Power to be provided from outside the workarea 2) Worker decon to be located outside workarea. 3) Decon not to specification	\$18,000.00	Paid \$12,000
NEW JERSEY	186-01 73rd Street	NYDEP	09/16/04	Clean and Plasticize all fix objects. 2) Handle detached ACM in a safe manner.	1) \$1500 2) \$3000.	Paid \$4500
NEW JERSEY	706 First Street East Northport, NJ	NYSDOL	11/16/04	1) Notice to occupant sign not posted.	\$500	Paid \$500
NEW JERSEY	342 Huguenot Street New Rochelle, NY	NYSDOL	11/24/04	1)Exhaust Location 2)Elect 3)Lock on Clean room door. 4)Post Notification 5)secure bags	\$3,500	Paid \$3500
NEW JERSEY	26 Ashford Avenue Dobbs Ferry, NY	NYSDOL	01/04/05	1) Only 1 layer of poly on floor 2)No Gloves/ T-shirt 3)	\$500	Paid \$500
NEW JERSEY	61-09 190 Street Freshmeadows, NY	NYDEP	02/17/05	1) Asbestos Inspection Report 2) PPE 3) Documentation	\$9,000	Items 1 and 3 dismissed. Item 2 Paid Penalty \$6000
NEW JERSEY (Massena)	SUNY Plattsburgh Defredenberg Hali	NYSDOL	03/14/06	No back up ventilation unit. 2) Exhaust less than 50 feet. Decon not cleaned. 4) Decon not cordon off.	To be determined	Pending.
NEW JERSEY (Rochester)	Cogate Divinity	NYSDOL	04/21/06	1)Supervisor did not log his visual inspection. 2) Ladder not tied off.3) Operating power tool without HEPA ventilation. 4) penetration not sealed.	To be determined	Pending
NEW JERSEY	350 Park Avenue, New York, NY	NYCDEP	04/04/06	Falled to sufficiently wet down ACM for enhanced penetration	\$10,000	Paid \$9,600
NEW JERSEY	SUNY, 75 South Manhein Boulevard, New Paltz, NY	NYSDOL	05/24/06	Worker certification was not on site	To be determined	Pending
NEW JERSEY	Salvation Army, 745 South 3rd Avenue, Mount Vernon, NY	NYSDOL	05/25/06	1) Isolation barrier inspection not documented	To be determined	Paid \$1500

OFFICE	PROJECT NAME/ADDRESS	AGENCY	DATE	DESCRIPTION	PROPOSED PENALTY	RESOLUTION
	Waldorf Astoria, 301 Park Avenue, New York, NY	NYCDEP	05/31/06	Failed to enusre proper work place entrance procedures are followed	\$10,000	Paid \$1500
NEW JERSEY	Salvation Army, 62 Hanson Place, Brooklyn, NY	NYCDEP	06/12/06	Failed to connect shower filtration system.	To be determined	Paid \$1500



State of New Jersey

Department of Labor and Workforce Development Division of Wage and Hour Compliance

Public Works Contractor Registration Act

Pursuant to N.J.S.A. 34:11-56.48, et seq. of the Public Works Contractor Registration Act, this certificate of registration is issued for purposes of bidding on any contract for public work or for engaging in the performance of any public work to:

L.V.I. Environmental Services, Inc.

Responsible Representative(s):

LVI Services Inc., Owner

David J. Sow, Commissioner
Department Lawr and Workforce Development



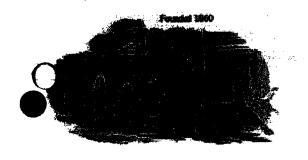
This certificate may not be transferred or assigned and may be revoked for cause by the Course of Labor and Workforce Development.

Registration Date:

Expiration Date:

07/07/2006

07/06/2008



Tanenbaum-Harber Co..Inc.

Insurance Specialists

320 West 57th Street, New York, NY 10019

August 2, 2006

Mr. Gary Thibodeaux LVI Services, Inc. 1201 Childers Road Orange, TX 77630

RE: Interstate Experience Modification

Dear Gary:

Please be advised that the workers compensation experience modification for LVI Services Inc. and affiliates are as follows for the past three (3) years:

2003-2004

2004-2005

2005-2006

.71

.73

94

I trust you will find everything to be in order, however, should you have any further questions please do not besitate to contact my office.

Sinceptly,

Christine Thomas

Senior Account Executive



CITY OF NEW YORK

DEPARTMENT OF ENVIRONMENTAL PROTECTION AND DEFORMING AND DEFORMENT AT THE TOTAL PROTECTION AND DEFORMENT AND STREET AND CERTIFICATION AND THE PROTECTION OF THE PROPERTY AND THE

APPLICATION FOR ASBESTOS INVESTIGATOR AND RESTRICTED ASBESTOS INVESTIGATOR CERTIFICATION

APPENDIX A

MEDICAL EXAMINATION FOR ASDESTOS INVESTIGATORIS

	APPLICAL NAME: WILLIAM	I. RAMIREZ Y	
	HOME ADDRESS: P.O. BOX	3149 .	•
,	CITY, STATE, & ZIP: ELizabet	LNJ.0720	7
•	TELEPHONE NUMBER: 109 901	7093	•
	DATE OF BIRTH: 03-07-1	964	0.5
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-Or is and	Alberto Rozo	April 211	2006
A STOCK NO.	PRINT NAME OF PHYSICIAN	DATE OF EXAMINAT	
		40-46	74 St
1	SIGNATURE F.PHYSICIAN	ADDRESS	
\mathcal{J}	The state of the s	(718) 458-	1515
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STATE OF NEW JERSEY DEPARTMENT OF LABOR & WORKFORCE DEVELOPMENT ASBESTOS CONTROL AND LICENSING

WILLIAM HURTADO 67-07 Woodside Avenue

2nd FI



Woodside NY 11377

098-68-7259 07/28/1957

M 509 4 6

04/01/2006 04/01/2007

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LVI Environmental Services Inc. 462 Getty Avenue Clifton, New Jersey 07011 Phone (973)772-3660 Fax (973)772-3668

Employee Respirator Training & Fit Testing

Date:	10-11-06	· · · · · · · · · · · · · · · · · · ·					
Employee's Name:	William Huzzu	00					
Social Security Number:	098-68-7255						
Location Of Test:	1047 auster Dans	aue - N.y - N.y .					
Respirator Make / Model	Size	Cartridge Type	Result				
North 7700 30 Half Face Negative Pressure	<u>Om/s</u>	TC21C152	Passed				
Test Performed:	Irrita	nt Smoke	·				
Comments: \\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	LKBL CHOOSES A	DOCTH /z CACE MASK,					
Test Administrator:	JOSEPH VOCA	holo	<u> </u>				
The above employee has been given instruction on how to conduct proper positive and negative pressure fit-tests each time the above respirator is worn. The employee has been informed of the correct procedures for cleaning and maintaining their respirator. The employee has also been trained in the proper decontamination procedures.							
By signing below, I certify described above.	that I have been fit-tes	ted and I have received the	training				
Employee Signature:	Willia Hut						
Date:	10-11-06						



License #187566

CITY OF NEW YORK

DEPARTMENT OF ENVIRONMENTAL PROTECTION
SUFLING DAYSON-SHIPLE RESEDIATION AND ENGINEERING
ASPESTED CONTROL PROGLAM-TRANSPIC AND CHESTICATION UNIT
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APPLICATION FOR ASDESTOS INVESTIGATOR AND RESTRICTED ASDESTOS INVESTIGATOR CERTIFICATION

APPENDIX A

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. •	TELEPHONE NUMBER: 718	1651-0	970		•	•
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	STATE LIC: NSE NUMBER Dr. Alberto Rozo 40-46 74th St.	-	TELEF	SHONE NUMBE	R	•

STATE OF NEW JERSEY DEPARTMENT OF LABOR & WORKFORCE DEVELOPMENT ASBESTOS CONTROL AND LICENSING



JUAN GALLO 537 27th Street Apt 1 Union City

NJ 07087

US/US/1962 M 504 08/08/2006

2 08/08/2007



INDUSTRIAL SAFETY ENVIRONMENTAL SOLUTIONS, INC. 3300 Hudson Avenue, Union City, NJ 07087

Tel: (201) 325-0055 Fax: (201) 325-0056

E-mail: ises@verizon.net

QUALITATIVE RESPIRATOR FIT TEST REPORT

FIT TEST RECORD NUMBER 2598	FIT TEST DATE 8 /10/2006	EXPIRATION DATE 8/10/2007
FIRST NAME JUAN	LAST NAME GALLO	social security number 155-11-6195

RESPIRATOR DATA

TYPE:

APR HALF FACE NEGATIVE PRESSURE

MANUFACTURER:

NORTH

MODEL:

7700 30

SIZE:

MEDIUM

ESTING AGENT:

IRRITANT SMOKE

POSITIVE PRESSURE TEST:

PASSED

NEGATIVE PRESSURE TEST:

PASSED

NORMAL BREATHING:

PASSED

DEEP BREATHING:

PASSED

TURN HEAD SIDE TO SIDE:

PASSED

NOD HEAD UP AND DOWN:

PASSED

TALK ALOUD:

PASSED

JOG IN PLACE:

PASSED

FACIAL HAIR:

PASSED

SIGNATURE OF TESTER

DATE:

8 /10/2006

ORIGINAL MUST BEAR ISES WATER MARK SEAL

GAL NOTICE / NOTA LEGAL: This fit-test is personal. The alteration of this document for fraudulent rposes is a federal crime. La alteración de éste documento para usos fraudulentos es un crimen federal.

OCCUPATIONAL AND COMMUNITY HEALTH SERVICES 3300 Hudson Avenue, Union City, NJ 07/087-5908

Tel: (201) 325-8003

Fear (201) 225-43-18

E-mail: -ochsclinic@vahoe.com

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STATE OF NEW JERSEY DEPARTMENT OF LABOR & WORKFORCE DEVELOPMENT ASBESTOS CONTROL AND LICENSING

BYRON ACOSTA 41-25 Bergen Tpke

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139-93-8064 07/27/1975 M 507 01/30/2006 01/30/2007

87587







LVI Environmental Services Inc. 462 Getty Avenue Clifton, New Jersey 07011 Phone (973)772-3660 Fax (973)772-3668

Employee Respirator Training & Fit Testing

Date: N3 70 06					
Date: <u>03-30-06</u>	-				
Employee's Name: Byron Acosta	-				
Social Security Number: 139 - 93 - 8064	_				
Location Of Test: Clifton . N.J.	-				
Respirator Make / Model Size Cartridge Type	Result				
North 7700 30 — LM / S TC21C152 — TC21C152 —	Passed -				
Test Performed: Irritant Smoke	_				
Test Administrator:	· · · · · · · · · · · · · · · · · · ·				
The above employee has been given instruction on how to conduct proper positive and negative pressure fit-tests each time the above respirator is worn. The employee has been informed of the correct procedures for cleaning and maintaining their respirator. The employee has also been trained in the proper decontamination procedures.					
By signing below, I certify that I have been fit-tested and I have received the trainidescribed above.	ng				
Employee Signature: 13 / 2007					
Date: 3/30/06					

Al Medicine: A raumatic and Hand Surgery Alate American Board of Surgery

REMARKS

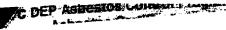
ALEXANDER HASELKORN, M.D.P.A.

750 Broadway, Floor 2 Paterson, N.J. 07514

Tel (973)279-8850 FAX(973)279-9716

Contany name:	Date: 3/28/06.
Parent Name BUMON AMOUSTON	Date of birth: 7/27/7
Address: 41-25 Dellen IDI	Ap 2 ty: N Benen State: T Zip: Oac
	059) ss#: 134-93-87(d)
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iea () normay	Lungs: MCMC
ben: mormal	Hernia: Mine
enitalia: Mormal	Ext.Inguinal Rings: DOrma
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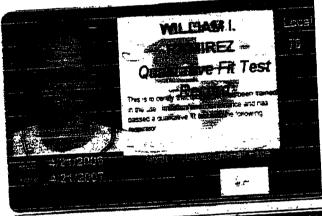
RECOMMENDATIONS

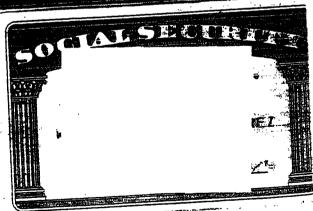


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STATE OF NEW JERSEY DEPARTMENT OF LABOR & WORKFORCE DEVELOPMENT ASBESTOS CÔNTROL AND LICENSING

WILLIAM RAMIREZ P O Box 3149

Elizabeth NJ 07207 03/07/1964 508 3 2 10/21/2007

Attachment H

- Manufacture's Equipment
- Material Safety Data Sheet







Year-To-Date Manhours: 277,915

OSHA's Form 300 (Rev. 01/2004)

Log of Work-Related Injuries and Illnesses Information is being used for safety and health purposes.

Attention: This form contains information relating to employee health and must be used in a manner that protects the confidentiality of employees to the extent possible while the information is being used for occupational safety and health purposes.



Year 2006

U.S. Department of Labor Occupational Safety and Health Administration

ou must record information about every work-related injury or liness that involves loss of consciousness, restricted work activity or job transfer, days away from work, or medical			Form approved OMB no. 1218	
altment beyond first aid. You must also record significant work-related injuries and litnesses that are diagnosed by a physician or licensed health care professional. You must so record work-related injuries and litnesses that meet any of the specific recording criteria listed in 29 CFR 1904.8 through 1904.12. Feel free to use two lines for a single case if	Establishment name		LVI Environmental Services Inc.	
u need to. You must complete an injury and illness incident report (OSHA Form 301) or equivalent form for each injury or illness recorded on this form. If you're not sure whether asse is recordable, call your local OSHA office for help.	City	Clifton	State New Jersey	,

(A) :85e	(B) Employee's Name	(C) Job Title (e.g.,		(E) Where the event occurred	Describe injury or illness, parts of body	CHECK ONLY ONE box for each case besed days the injured or ill on the most serious outcome for that case: worker was:			jured or ill								
No.	e e e e e e e e e e e e e e e e e e e	Welder)	injury or onset of illness	(e.g. Loading dock north end)	affected, and object/substance that directly injured or made person iil (e.g. Second degree burns on right forearm from acetylene torch)		141. + 85 1 4 2 52 1864	or restriction	Other record- able cases	Away From Work (days) (K)	On job transfer or restriction (days)	(M) Ameli (1)	(5) Skin Disorder	Respiratory Condition	(a) Polsoning	(9) Hearing Loss	9 All other illnesse
-	Rodriguez, Wilfredo	Laborer	01/04/06	New Jersey - Hoffman	Laceration LT Elbow - Cut/Puncture by Debris	(G)	<u>(H)</u>	0	(J)	(1/4)	14	X	12)	131	(**)	(3)	(4)
1				LaRocha				ļ	<u> </u>						Ш		L
	Gomez, Jose	Laborer			Contusion RT Knee - Intred by ladder rung			<u> </u>	×			X	Ш	Щ.	 		
3	Mena, Frank	Laborer	07/11/06	LaRoche	Contsuion Back/Hip/Ankle - Slip/Trip Same Level		Ċ	X		1	8	X					
4	Samaniego, Victor	Laborer	07/31/08	New Jersey - Warehouse	Contusion LT Foot - Jumped from tailgate				X			X					
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Be sure to transfer these totals to the Summary page (Form 300A) before you post it.

Public reporting burden for this collection of information is estimated to average 14 minutes per response, including time to review the instruction, search and gather the data needed, and complete and review the collection of information. Persons are no

Page 1 of 6







U.S. Department of Labo Occupational Safety and Health Administratio Form approved OMB no. 1218-017

OSHA's Form 300A (Rev. 01/2004)

Summary of Work-Related Injuries and Illnesse

All establishments covered by Part 1904 must complete this Summary page, even if no injuries or illnesses occurred during the year. Remember to review the Log to verify that the entries are complete and accurate before completing this summary.

Using the Log, count the individual entries you made for each category. Then write the totals below, making sure you've added the entries from every page of the log. If you had no cases write "0."

Employees former employees, and their representatives have the right to review the OSHA Form 300 in its entirety. They also have limited access to the OSHA Form 301 or its equivalent. See 29 CFR 1904.35, in OSHA's Recordkeeping rule, for further details

Total number of deaths	Total number of cases with days away	Total number of cases with job transfer or restriction	Total number of other recordable cases
0	0	1	3
(G)	(H)	(1)	(1)
Total number of days away from work		Total number of days of job transfer or restriction	
0	_	8	_
(K)		(L)	
Total number of (M)			
(1) Injury	4	_ (4) Poisoning	0
(2) Skin Disorder	0	(5) Hearing Loss	00
(3) Respiratory			-
Condition	0	_ (6) All Other Illnesses	0

Post this Summary page from February 1 to April 30 of the year following the year covered by the form

Public reporting burden for this collection of information is estimated to average 50 minutes per response, including time to review the instruction, search and gather the data needed, and complete and review the collection of information. Persons are not required to respond to the collection of information unless it displays a currently valid OMB control number. If you have any comments about these estimates or any expects of this data collection, contact. US Department of Labor, OSHA Office of Statistics, Room N-3644, 200 Constitution Ave, NW, Washington, DC 20210. Do not send the completed forms to this office.

rouri	establishment name LVI En	vironmental Services inc.		
Street	462 Getty Avenue			
City	Clifton	State	NJ	Zip <u>07011</u>
Indus	try description (e.g., Manufa Specialty Contractor	ecture of motor truck trailers)	·
Stand	ard Industrial Classification	(SIC), if known (e.g., SIC 3	715)	
	1 7 9 9			
North	American Industrial Classifi	ication (NAICS), if known (e	.g., 336212)	
		. — —		
plovr	nent information			
Алпи	al average number of emplo	oyees 134		
lotal last y	hours worked by all employe	ees 277,915		
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V nov	vingly falsifying this docur	ment may recult in a fine		
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1 cert	fy that I have examined this	document and that to the b	est of my knowledge the	entries are true, accurat
	omplete.			
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<u> خ</u> خ	1-1/4/2		11ecoud	、どいてく Title
	Company exelcutive	, /	1	; ;
	(973) 772-3660		1	11/21
	Phone			Date

Attachment E

Letter from David Roman, M.D.



FAIR LAWN MEDICAL ATTENTION CENTER, P.A.

15-01 BROADWAY, FAIR LAWN, NEW JERSEY 07410 TELEPHONE (201) 794-3600 DAVID ROMAN, M.D., MEDICAL DIRECTOR

February 7, 2007

To Whom It May Concern:

I would like to inform you that I am a NJ State licensed physician. My state license number is MA49017. I am qualified to perform asbestos physicals and have done so for the past 20 years.

If you have any questions please call me at the above number.

Sincerely,

David Roman, M.D.

Medical Director

Attachment F

Organization Chart and Resumes

Written Qualifications Report LVI's qualifications as an environmental contractor are provided in the form of licenses issued by the applicable authorities (see attached) Supervisor and worker licenses have been provided and are available on site. Newark Carting and Final – Aire documentation has been provided. LVI is not anticipating the use of any other sub contractors.

LVI Environmental Services, Inc. (NJ)

President - Peter Demeropoulos

Project Manager – Steve Stiles Supervisor – Danny Ulloa Newark Carting – Gene Auletta Final Aire – Nicholas Anastasakos

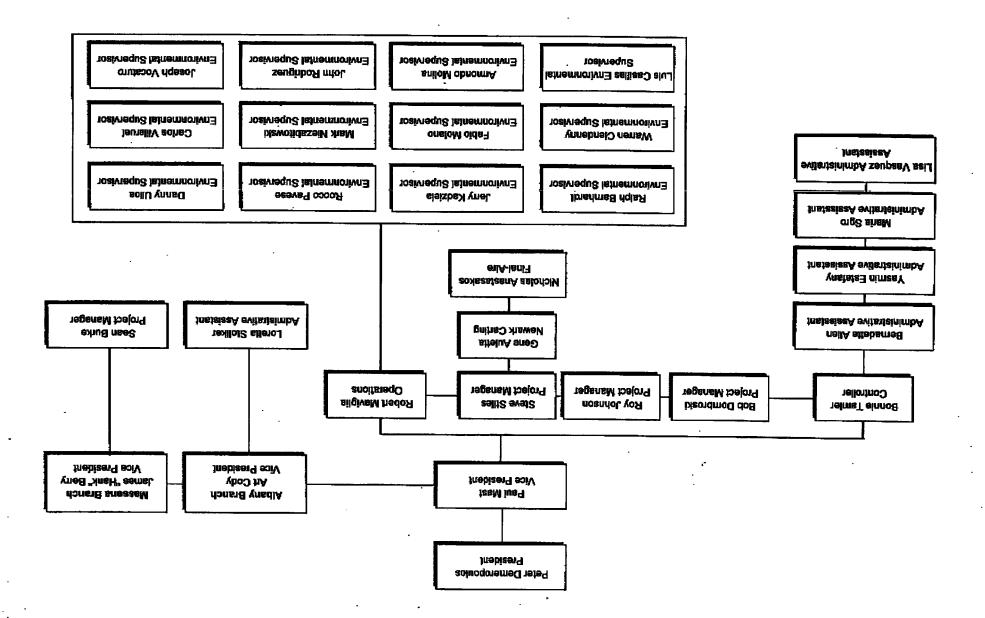
See attached flow chart

"By signing this report I certify that the personnel I am responsible for during the course of this project fully understand the contents of 29 CFR 1926.1101, 40 CFR 61 subpart M, and the federal, state and local requirements for these asbestos abatement activities that they will be involved in."

9737722241

03/07/2007

17:20



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RESUME

PETER DEMEROPOULOS PRESIDENT LVI ENVIRONMENTAL SERVICES INC. NEW YORK METROPOLITAN REGION

PROFESSIONAL EXPERIENCE

As President and Branch Manager of LVI's New York Metropolitan office, Peter Demeropoulos is responsible for managing the company's activities in New Jersey and New York. He manages all branch operations, including business administration, project management, estimating and sales. In addition, Mr. Demeropoulos acts as client liaison to ensure quality assurance and customer satisfaction for each project LVI performs.

Mr. Demeropoulos joined LVI in 1998 as a project manager. Due to his performance he was subsequently promoted to Vice President in 2001. He has completed projects for many prestigious and well known corporate and service organizations in New York and New Jersey. These include: Verizon, WABC, ATCO Properties, Washington Mutual, Novartis Pharmaceuticals Corporation, Brooklyn Navy Yard, The Intrepid Sea Air and Space Museum, Cingular, AMG Realty, Federated Department Stores, Federal Realty Investment Trust, and Sears Roebuck and Company.

Peter Demeropoulos has over a decade of experience in the asbestos abatement industry. His experience includes operations, project management, client relations, staff supervision sales and marketing. He has directed project teams, internal staffs, and coordinated manpower as well as material and financial resources for projects. He has also recruited, trained and managed professional, technical and support personnel.

Prior to joining LVI, Mr. Demeropoulos served as Director of Operations for an environmental consulting firm, Project Manager for a local asbestos removal company and Division Manager for an asbestos removal company in Connecticut. Prior to that, he played professional football for the Philadelphia Eagles before his injury in the early 1980's.

EDUCATION

Mr. Demeropoulos received a B.A. in Sociology from Wagner College in Staten Island. He was also the Captain of the college football team and received All-American Status. He had previously attended West Virginia University on a Full Athletic Scholarship.

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RESUME

STEVEN STILES QUALITY CONTROL SUPERVISOR LVI ENVIRONMENTAL SERVICES INC. NEW YORK METROPOLITAN REGION

PROFESSIONAL EXPERIENCE

Steven Stiles has over a decade of experience in the fields of construction, asbestos abatement and lead abatement.

Mr. Stiles is responsible for the supervision and performance of Quality Assurance/Quality Control functions on a number of challenging assignments involving asbestos abatement, lead abatement, and demolition.

As Quality Control Supervisor, Mr. Stiles ensures that projects performed by the New Jersey Branch Office are done so in accordance with all applicable rules and regulations relating to asbestos and lead abatement. In addition, Mr. Stiles has the authority to direct field supervisors to revise any aspect of a job in order to maintain regulatory compliance. He is also responsible to ensure that all aspects of LVI's in-house Site Safety Program are being adhered to. He has completed a wide variety of environmental contracting assignments on behalf of LVI throughout the United States.

As an on-site project supervisor, Mr. Stiles was involved in the removal of lead-based paint from multiple W.W.II buildings located on Fort Drum in Watertown, New York on behalf of the U.S. Army Corp of Engineers. He has also worked at other military facilities such as Fort Dix and Fort Monmouth. He has successfully completed a number of projects for LVI including, Rutgers University, St. Mary's Hospital, First Union Bank, Sandoz (Novartis) Pharmaceuticals, Federated Department Stores, AT&T, Corporate Property Investors, Federal Realty Investment Trust and Sears.

EDUCATION

Mr. Stiles attended Ramapo College and is licensed as a supervisor for asbestos and lead abatement in New York State, New York City, New Jersey, and Connecticut.

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RESUME

DANIEL ULLOA PROJECT MANAGER LVI ENVIRONMENTAL SERVICES INC. NEW YORK METROPOLITAN REGION

PROFESSIONAL EXPERIENCE

Daniel Ulloa joined LVI Environmental in 1987 as an asbestos handler and has worked his way through the ranks to become one of the firm's most respected Project Managers. In his current position, Mr. Ulloa is responsible for total management of asbestos projects under his supervision. He provides job site supervision of all personnel and equipment to ensure compliance with local laws and regulations.

Mr. Ulloa has completed asbestos abatement assignments of various sizes and complexities in New Jersey and New York for clients such as American Cyanamid, Allied Signal, AT&T Communications, Con Edison, East Orange General Hospital, Trinity Church, Simon & Schuster and Bowery Savings Bank. He has proven to be a capable Project Manager who can complete the work on or ahead of schedule and with all budgets and quality goals fully achieved.

Prior to joining LVI, Mr. Ulloa served for two years as a foreman for a New Jersey based abatement contractor.

EDUCATION

Mr. Ulloa earned a B.A. in Biology and Chemistry from Central University of Ecuador. He is a licensed asbestos supervisor in the State of New Jersey, State of New York and City of New York.

Attachment G

- Asbestos Workers Licensing
- Respiratory Training
- Medical Examination

STATE OF NEW JERSEY DEPARTMENT OF LABOR & WORKFORCE DEVELOPMENT ASBESTOS CONTROL AND LICENSING



DANIEL ULLOA 3709 Bergen Turnpike

North Bergen



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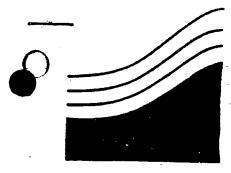
LVI Environmental Services Inc.

462 Getty Avenue Clifton, New Jersey 07011 Phone (973)772-3660 Fax (973)772-3668

Employee Respirator Training & Fit Testing

Date:	12-1-06		_
Employee's Name:	Daniel Lilloa		orkin
	111-58-1589		_
Location Of Test:	LVI OFFICE		_
Respirator Make / Model	Size	Cartridge Type	Result
North 7700 30	L(/M)s	TC21C152	Passed
Half Face Negative Pressure			
Test Performed:	Irritant S	moke	_
Comments:			
Test Administrator:	John St.		
positive and negative The employee has be	has been given instruction pressure fit-tests each time en informed of the correct ator. The employee has also redures.	e the above respirator is w procedures for cleaning a	orn.
By signing below, I cert described above.	ify that I have been fit-tested	and I have received the train	ing
Employee Signature:	1 au auto		-
	12-1-06		_





HARVEY W. SCHULTZ
Commissioner

CITY OF NEW YORK DEPARTMENT OF ENVIRONMENTAL PROTECTION BUREAU OF AIR RESOURCES 295 LAFAYETTE STREET, NEW YORK, N.Y. 10012

SAMUEL STEMPLER, P.E. Assistant Commissioner

APPENDIX A

MEDICAL EXAMINATION FOR ASBESTOS WORKERS

•	-
APPLICANT NAME: Donie Illoa	·
HOME ADDRESS: 3709 Bergen Turnbike	
North Bergen N.J	
TELEPHONE #: (201) 223-4848	
DATE OF BIRTH: OCT 30 -1947	
SOCIAL SECURITY #: 111-58-1589	
Based upn the medical examination whition tests of vital capacity (FVC) and at one second (FEV1) and an evaluation genogram it is my opinion that the abordeck appropriate box) IS IS Notified to wear a respirator in the periodic to wear a respirator in the periodic Name of Physician Signature of Physician State License Number	d forced expiratory volume n of a recent chest roent- ove named patient (please

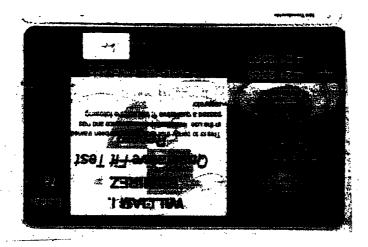
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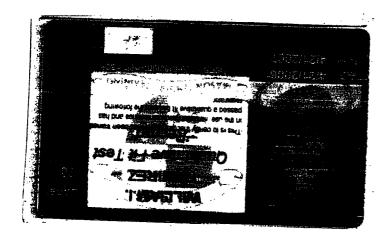
STATE OF NEW JERSEY DEPARTMENT OF LIABOR & WORKFORCE DEVELOPMENT ASSESTOS CONTROL AND LICENSING

WILLIAM RAMIREZ P O Box 3149

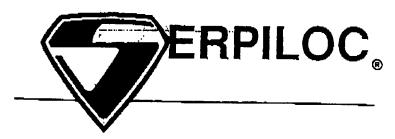


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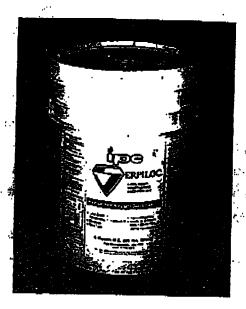




PRE-MIXED LOCK-DOWN PENETRATING ENCAPSULANT

- Lock-Down
- Penetrating Encapsulant
- · Ground Sealer
- Non-Toxic
- Odorless
- Non-Combustible
- Meets or Exceeds EPA, OSHA, U.L. and ASTM Requirements





For All Areas From Which Asbestos Containing Materials Have Been Removed And Any Other Contaminated Surfaces.

Product Description:
A pre-mixed UL Classified asbestos
encapsulant for lock-down, penetrating and
ground sealer applications.

Pre-mixed Lock-Down (Post Removal)
Application

- Use airless spray equipment Bink, Grayco or equal.
- 3/8" (9.5mm) to 1/2" (12.7mm) hose w/.017 tip
 12 inch (30cm) fan.
- . One coat as needed.
- Compatible with most insulation and fireproofing spray-back products.
- Spray at rate of 450 sq. ft./gal, (11.1m²/L)

Pre-Mixed Penetrating Application For friable, porous, sprayed-on lireproof Accoustical Insulation up to 3/4" (1.91cm) thick or greater.

- Apply by airless spray.
- Application Rated 30 sq ft. per gallon (.74m²/L) per 3/4" (1.91cm) of penetration.

- Deeper penetration at lower rate.
- Apply multiple coats in one application.
- Keep spray gun moving. Apply until surface glistens or material appears on surface. Apply heavy 1st coat using 2/3 of material.
- . Let dry 4 hours. Apply balance of material.

Ground Sealer Application

For crawl spaces and other contaminated soil areas.

- Use airless spray equipment.
- 3/8" (9.5mm) to 1/2" (12.7mm) hose w/.022 tip
 12 inch (30cm) fan.
- Apply multiple coats in one application.
- Keep spray gun moving; apply until surface glistens or material appears on surface or as needed.
- Rate of 30 sq. ft. per gal. (.74m²/L) per 1 inch (2.54cm) of penetration (average loose soil).
 Rate may vary
- Will not penetrate wet or clay earth.
- Rate of penetration will vary according to diffarget soil conditions.

#4



Pre-Mixed Lock-Down Penetrating Encapsulant



TECHNICAL DATA

EXCEEDS U.S.E.P.A. BATTELLE MINIMUM PERFORMANCE STANDARDS

Description

A ready-mixed coating material of vinyl-acrylics and water-based resins,

various flame retardant chemicals and fillers.

Color

Matte-white, clear or colored at no extra charge.

Finish

Semi-gloss

Surface Dusting

none

Fiber Dispersion

none - Via P.L.M. 1000 x magnification scrub test

Density

8.9 lbs. per gallon

Viscosity

55-65 krebs units or stormer viscometer

Percent of Solids

16.7% by weight

Adhesion-Cohesion

Passes Battelle test, over 100% increased

Water, Moisture Resistance

Excellent

Odor

Odorless when dry, negligible when wet

Gardner Impact Test

Exceeds E.P.A. requirement

Fire Resistance

ASTM E-84-84A rated 5

Toxic Gas Release

Battelle: "well below danger level" Tested in accordance with the National

Academy of Sciences.

Shelf Life

At least one year in closed original containers at room temperature

Packaging

5 gallon (18.93L) containers, 55 gallon (208L) drums

Storage

40°F to 90°F or 5°C to 30°C. Protect from freezing

Temp. Range

Up to 1800°F (981°C)

Vapor Permeability

ASTM E 96 0.50

Life Expectancy

20 years + per U.S. Testing Co. accelerated aging test

Re-Insulation Compatibility

Tested with W.R. Grace Co., exceeds all requirements for re-fireproofing per ASTM E-119, U.L. 263

(Spray Back)

IMPORTANT: The information contained herein is correct to the best of our knowledge and tests. The recommendations and suggestions contained herein are made without guarantee or representations as to results. We recommend that adequate tests be made by the purchaser to determine if a product is suitable for the intended purpose and use. Our only obligation shall be to replace or pay for any material proved detective by our laboratory within our published shall like period. Beyond the purchase price of materials supplied by us, we assume no liability for damages of any kind, and the user accepts the product "as is" and without warranties, expressed or implied. The suitability of these products for an intended use shall be solely up to the user.

FOR PROFESSIONAL USE ONLY
This literature supersedes all previous literature.

DISTRIBUTED BY



International Protective Coatings Corp.

725 Carol Avenue Oakhurst, NJ 07755 USA Toll Free: 1-800-334-8796 Phone: 908-531-3666

Fax: 908-531-5192

Distribution conters located at Halfield, PA Santa Anna, CA

MATERIAL SAFETY DATA SHEET

Magufacturer's Name:

Emergency Telephone No.:

International Protective Coatings Corp.

(800) 424-9300

25 Carol Ave

Jaichurst, NJ 07755

Information Telephone No.:

Date of preparation: October, 1996

(908) 531-3666 (800)-334-8796

Prepared By: M.Navarro

SECTION 1- PRODUCT IDENTIFICATION

HMIS:

Product Name: Semiloc® Clear/White SSP05

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ÞÞ G

Product Class: Filled Vinyl & Acrylic Emulsion

1 0

SECTION II - HAZARDOUS INGREDIENTS

Ingredient

ana an table all and at meenでは**we**ffer a **Welight**

Occupational **Exposure Limits**

2.00

Vapor Pressure

CAS Number

Percent

mm Ho @ Temp.

Ethylene Glycol 107-21-1

<3.0

50 ppm ACGIH TLV

139.300. **SECTION III - PHYSICAL DATA**

Boiling Range: 212 °F (100° C)

Vapor Density: (Air = 1) >1.0

VOC'S: 0.23 g/l

Evaporation Rate: (ETHER= 1) >1.0

" % Volatile By Volume: 50.0

WgtJGaL: 10.0

. opearance and Odor: White liquid, mild latex odor,

Solubility in Water: Appreciable

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

Flammability Classification:

Flash Point: None (water base compound)

LEL: N/A

UEL: NA

Extinguishing Media: Foam Alcohol Foam, CO2, Dry Chemical, Water Fog.

Unusual Fire And Explosion Hazards: This product will not burn, but may spatter if the temperature exceeds the boiling point. Dried film may burn in an intense fire.

SPECIAL FREFIGHTING PROCEDURES: Self contained breathing apparatus should be used, especially in closed areas such as warehouses.

SECTION V - HEALTH HAZARD DATA

Effects Of Overexposure:

Eyes: Irritation.

Sidn: Excessive exposure may cause drying and chapping.

Inhalation: May cause gaging, nausea and upper respiratory distress.

ingestion: Possible nausea,

Medical Conditions Prone To Aggravation By Exposure: None Known

SERPILOOS CLEAR/WHITE SSP05

Printing Route(s) Of Entry: Dermal, Inhalation, Ingestion.

Emergency and First Aid Procedures:

Eyes: Flush, with water for 15 minutes. Do not rub. Consult physician if imitation persists

Skin: Wash with soap and water. Inhalation: Remove to fresh air.

Ingestion: Induce vomiting. Consult physician.

Chemical listed as a carcinogen or potential carsinogen:

NTP NO

OSHA NO

LARC NO

.

SECTION VI - REACTIVITY DATA

Stability: Stable

Hazardous Polymerization: Will not occur.

(a)317399111

1. 1 * 1289 James C.

Hazardous Decomposition Products: Primarily Carbon Monoxide and/ or Carbon dioxide. Trace amounts of Nitrogen and asphyxparticular to the same

Conditions to Avoid: Not Applicable.

incompatibility (materials to avoid): Strong Acids and Alkaline Agents.

SECTION VII - SPILL OR LEAK PROCEDURES

Steps to be taken in case material is released or spilled: Keep all speciators away. Uncontaminated material may be recovered and reused. If contaminated scoop into receptacle for disposal.

Waste Disposal Method: Allow material to dry. Dispose of solid waste in accordance with federal state and local regulations.

SECTION VIII - SAFE HANDLING & USE INFORMATION

Respiratory Protection: Use MSHA/NIOSH approved respirator in poorly ventilated areas. Ventilation: General (mechanical) room ventilation is to be satisfactory for normal usage.

Protective Gloves: Impervious.

Eye Protection: Safety Glasses or Goggles.

Other Protective Equipment: As needed.

Hygienic Practices: Avoid contact with skin and clothing, Wash after use and launder contaminated clothing before reuse.

SECTION IX - SPECIAL PRECAUTIONS

Precautions to be taken in Handling and Storage: Seal container when not in use. Store in well ventilated area.

Other Precautions: The information and recommendations offered herein, are for the users consideration and examination and is to be used in addition to all other information that is available and pertinent, it is the user's responsibility to determine the suitability of its specific conditions and particular use.

IMPORTANT NOTE: This information references the product itself, not in combination with any other material to which it may eventually be applied or come in contact with. The user must determine any local, state or federal regulations regarding the use and disposal of this product in conjunction with other materials which may be regulated (For example: Asbestos or asbestos containing materials).

BULLWET

ASBESTOS WETTING AGENT

BULLWET IS A UNIQUE ASBESTOS WETTING COMPOUND, EXTREMELY EFFECTIVE FOR CONTROLLING AND REDUCING AIRBORNE PARTICULATE FIBER COUNT AND DUST DURING ASBESTOS REMOVALS, DEMOLITION WORK AND EFFECTING COMPLETE WET-OUT DURING CONTROL OF FRIABLE ASBESTOS. SUPER CONCENTRATION OF ACTIVE INGREDIENTS FOR THOROUGH WET-OUT OF ASBESTOS ON CEILINGS. WALLS. INSULATIONS AND/OR DEMOLITION DUST. BULLWET IS A BIODEGRADABLE PRODUCT, BULLWET is a concentration of fluorochemical and octyphenol surfactants. This compound, when combined with water, dramatically improves liquid surface tension for maximum penetration. Additionally, BULLWET contains a defoamer for ease of handling.

DIRECTIONS

ASBESTOS REMOVAL

Mix 2-5 oz. of BullWet surfactant in 5 gallon of water. Thoroughly soak ceiling or exposed asbestos matrix area with a medium to fine spray. Use 100 to 150 gallons of BullWet mix per 1000 square feet of asbestos matrix for thicknesses of up to 1 inch. Proportionately, more should be used for thicker layers. Removal of asbestos should be done in small sections to maintain maximum wettness of re noved material before being packed for disposal as specified. Asbestos that has been wetted can be re-wetted with water when needed.

DUST CONTROL

Mix 10-16 ozs. of BullWet with 100 gallons of water to be used for wetting demolition and road dust. Road areas previously treated with BullWet solution can be re-wetted with plain water. Road area should be re-treated with solution when excess dusting becomes a problem.

PACKAGED:

5 Gallon Pails and 55 Gallon Drums
Distributed by:
Bullseye Environmental Corp.
7900 N. Raddiffe St., Bristol, PA 19007
Tel: 215-547-7700 • Fax 215-547-7800

Material Safaty Data Shaat BULLWET

CREMICAL PRODUCT AND COMPANY IDENTIFICATION

Mig. for: Bullseys Environmental 901 Capal St. Bristol, PA

COMPANY CONTACT: J. Schneider TELEPHONE NUMBER: (215) 788-0700

EMERGENCY TELEPHONE NUMBER
INFOTRAC (800)535-5053 24 hours a day

Surface Tension: Undiluted is 36 dynes/cm,

PRODUCT NAME: BULLWET Asbestos Wetting Agent

COMPOSITION/INFORMATION ON INGREDIENTS

CONCENTRATION INGREDIANT NAME EXPOSURE LINITE PERCENT BY WEIGHT NON-IONIC SURFACTANT No exposure limits established by 13.5 to 15.0 ACCIH OF COMA CAP NO. WITHHELD AS TRADE SECRET MON HATARDOUS PER OSHA STANDARD SORBITOL 1.0 to 5.0 CAF NUMBER: 50-70-4 29 CFR 1910:1200 TLV ACGIN: NOT LISTED

3. HAZARDS IDENTIFICATION

CAUTION

* SKIN, BYB AND MUCOUS MEMBRANE IRRITANT. AVOID BREATHING MIST. KEEP OUT * OF REACH OF CHILDREN. ******

POTENTIAL HEALTH EFFECTS

PRIMARY ROUTE(S) OF ENTRY Eyes: Yes Skin: Primary

Inhalation: Yes

Ingestion: Possible

Eye contact may cause irritation, pain or burns. Contact may also result in redness, swelling and mucous discharge.

Contact with the skin or mucous membranes may cause irritation.

INCESTION
Ingestion may cause irritation to the mouth, throat, esophagus and stomach. Gastrointestinal discomfort may be manifested as naused, vomiting, lethargy, abdominal and lumbar pain, or diarrhea.

INHALATION
Inhalation of vapors, mists or spray may cause irritation to the nose, throat

CHRONIC (CANCER INFORMATION)
Product Cardinogenicity - NTP: No

IARC: No

OSHA: No

ACGIH: No

MEDICAL CONDITIONS AGGRAVATED BY OVEREXPOSURE

Irritation from skin exposure may aggravate existing open wounds, skin disorders and dermatitie conditions. Individuals with preexisting disorders of the lungs should avoid exposure.

Revision Date: 1 /1 /01

Page 1 of 4

Material Bafety Data 8 heat

BULLWET

4. FIRST AID MEASURES

EYES
Th case of contact with eyes, immediately flush with clean, low-pressure water for at least 15 minutes. Hold eyelids apart to ensure adequate flushing. If irritation persists, seek medical attention.

Remove conteminated clothing immediately. Wash hands thoroughly with scap and water after use or contact. See a physician if redness or irritation occurs. Launder clothing before reuse.

INCESTION

If swallowed, call a physician immediately. ONLY induce vomiting at the instructions of a physician. Never give anything by mouth to an unconscious person. Drink one or two glasses of water.

INHALATION
In case of inhalation, move person at once to fresh air and call a physician.

5. FIRE FIGHTING MEASURES

FLAMMABLE PROFERTIES
FLASH POIST: Non-Combustible
LOWER EXPLOSIVE LIMIT (%): N/A
UPPER EXPLOSIVE LIMIT (%): N/A

FIRE AND EXPLOSION HAZARDS

Non-combustible.

EXTINGUISHING MEDIA
Use any extinguishing media which is suitable for the surrounding fire. Water sprey or fog may be used to cool fire-exposed containers and structures.

FIRE FIGHTING INSTRUCTIONS
Wear full protective clothing and self-contained breathing apparatus.

ACCIDENTAL RELEASE MEASURES

Ventilate area of spill or leak. Dike area ahead of spill to prevent entry into sewers or waterways. Absorb with suitable material or vacuum. Collect and place in suitable, labeled waste container. Rines spill residue with water.

7. HANDLING AND STORAGE

HANDLING AND STORAGE PRECADITIONS Store above 35 degrees F.

WORK/HYGIENIC PRACTICES
Use good personal hygiens. Wash hands and exposed skin with soap and water after handling. Launder contaminated clothing before rause. Do not consume food, drink or tobacco products in areas where they may be contaminated by this material.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

ENGINEERING CONTROLS

If misting or spraying can occur, local exhaust ventilation should be used. dup above the exposure limits of the ingredients. If misting or spraying CAN

EYE/PACE PROTECTION

Use safety glasses, goggles or face shield to prevent accidental eye contact.

Revision Date: 1 /1 /01

Page 2 of 4

Material Safaty Data BULLWET EXPOSURE CONTROLS/PERSONAL PROTECTION - Continued skim protection Neoprene, nitrile or latex rubber gloves should be used to prevent repeated RESPIRATORY PROTECTION Not normally required. PHYSICAL AND CHEMICAL PROPERTIES APPEARANCE A clear, slilghtly viscous liquid. Obór Mild to no odor. BASIC PHYSICAL PROPERTIES PHYSICAL STATE: Liquid VAPOR PRESSURE: low SPECIFIC GRAVITY: approx. 1 solubility (R20): completely 10. STABILITY AND REACTIVITY STABILITY: stable CONDITIONS TO AVOID (STABILITY) None, INCOMPATIBLE MATERIALS None. AZARDOUS DECOMPOSITION PRODUCTS WAZARDOUS DECOMPOSITION PRODUCES
Thermal decomposition may produce toxic and irritating vapors or gases. WAKARDOUS POLYMERIAATION: will not occur 11. TOXICOLOGICAL INFORMATION <u>SKIN EFFECTS</u> Skin Irritant. 12. ECOLOGICAL INFORMATION OTHER ENVIRONMENTAL INFORMATION
Keep out of sewers, drainage and waterways. Repaireable, under federal and state regulations. Report spills and releases, as 13. DISPOSAL CONSIDERATIONS Consult state regulations. Dispose of waste in accordance with all applicable federal, state and local government regulation. TRANSPORT INFORMATION PROPER SHIPPING NAME: Not Regulated

BULLWET

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Material Safety Data Sheet

15. REGULATORY INFORMATION

U.S. PROBRAL REGULATORY IMPORMATION
Any spill or uncontrolled release of this product, including any substantial threat of release, may be subject to federal reporting requirements. Consult those regulations applicable to your facility/operation.

W.S. STATE RECULATORY INFORMATION
Any spill or uncontrolled release of this product may be subject to state and/or local reporting requirements. This product and/or its constituents may also be subject to other regulations, such as right-to-know, at the state or local level. Consult those regulations applicable to your facility.

16. OTHER INFORMATION

EMIS HAZARD RATING - HEALTH: 2 Moderate - FIRE: 0 Negligible - REACTIVITY: 0 Negligible

NFFA MAZARD RATING - HEALTH: 2 Moderate - FIRE: 0 Negligible - REACTIVITY: 0 Negligible

DISCLAIMER OF EXPRESSED AND IMPLIED WARRANTIES
Although reasonable care has been taken in the preparation of this document, we extend no warranties and make no representations as to the accuracy or completeness of the information contained therein, and assume no responsibility regarding the suitability of this information for the user's intended purposes or for the consequences of its use. Each individual should make a determination as to the suitability of the information for their particular purpose(s).

Mfg. for: Eullseye Environmental

Matarial .. sa,faty

BULLWET

CREMICAL PRODUCT AND COMPANY IDENTIFICATION

Chemique, Inc. 315 M.Mashington Ava. Moorestown, NJ 08057

COMPANY CONTACT: E. Drazga TELEPHONE NUMBER: (609)235-4161

EMERGENCY TELEPRONE NUMBER INPOTRAC (800) 535-5053 24 hours a day

PRODUCT NAME: BULLWET Asbestos Wetting Agent

COMPOSITION/INFORMATION ON INCREDIENTS:

CONCENTRATION DESCRIPTION NAME EXPOSURE LIMITS PERCENT BY WEIGHT NOF-ICKIC SURFACTANT No exposure limits escablished by 13.5 to 15.0 ACEIX OF OSEA CAS NO. WITHGELD AS TRADE SECRET SORBITOL NON KAZARDOOS THE COSEA FERIDARD 1.0 to 5.0 CAS MUNCER: SO-70-4 29 CFR 1910-1200 TLY ACGIN: NOT LISTED

3. HASARDS IDENTIFICATION

CAUTION SKIR, FYE AND EUCOUS NIMBRANE IRRITARY. AVOID BREATHING MIST. KEEP OUT OF REACH OF CHILDREN.

POTENTIAL HEALTH RPFRCTS

PRIMARY ROOTE(8) OF EMTRY
Eyes: Yes Skin: Primary Inhalation: Yes

Ingestion: Possible

Rys contact may cause irritation, pain or burns. Contact may also result in redness, swelling and mucoun discharge.

Contact with the skin or mucous membranes may cause irritation.

Ingestion may cause irritation to the mouth, throat; esophagus and stomach. Gastrointestinal discomfort may be manifested as nausea, vomiting, lethargy, abdominal and lumbar pain, or diarrhea.

Issalation
Tabalation of vapors, mists or spray may cause fruitation to the nose, throat and respiratory fract.

Product Carcinogenicity - NTP: No IARC: No OSHA: No ACGIR: No

MEDICAL CONDITIONS AGGRAVATED BY OVER SIDOSTREE Itrication from skin exposure may aggravate existing open wounds, skin disorders and dermatities conditions. Individuals with preexisting disorders of the lungs should avoid exposure.

Revision Date: 07/31/95

Page 1 of 4

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***** Safety Date Sheet

BULLMET

8. EXPOSURE CONTROLS/PERSONAL PROTECTION - Continued

SKIN PROTECTION Neoprens, nitrile or latex rubber gloves should be used to prevent repeated contact.

Not normally required.

9. PHYSICAL AND CHEMICAL PROPERTIES

with dad with the garden and the APPENDANCE A clear, slilghtly viscous liquid.

ODOR Mild to no odor.

ALSIC PHYSICAL PROPERTIES PHYSICAL STATE: Liquid VAPOR PRESSURE: low

VAPOR PRESENTATION OF THE SPECIFIC GRAVITY: approx. 1
SOLUBILITY (R20): completely State of the second

STABILITY AND REACTIVITY 10.

STABILITY: stable of the course of the

CONDITIONS TO AVOID (STABILLEY) . The regulation of the

INCOMPATIBLE MATERIALS

ELELEUOUS DECOMPOSITION PRODUCTS
Thermal decomposition may produce texic and irritating vapors or gases.

EXERPDOTE POLYMERIESTICS: will not coour

11. TOXICOLOGICAL INFORMATION

Skin Irritant.

12, ECOLOGICAL INFORMATION

OTHER ENVIRONMENTAL INFORMATION Keep out of severs, drainage and waterways. Report spills and releases, as applicable, under federal and state regulations.

13. DISPOSAL COMSIDERATIONS

Consult state regulations. Dispose of waste in accordance with all applicable federal, state and local government regulation.

TRANSPORT IMPORMATION

PROPER SHIPPING MAME: Not Regulated ...

Revision Date: 07/31/95

Page 3 of 4 ..

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1.85%

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LVI Environmental Services, Inc.

452 Getty Avenue Clitton, NJ 07011

Phone 973-772-3668 Fax 973-772-3668

e-mail - sstiles@ivinervices.com

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Date	3-07-07			
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Fax to Number	908-769-5303	•		
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Regarding	Flow Chart			
Comments	Encap Surfac	bout msos.		
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Visit our website - www.lviservices.com

OCON

Disposable
Decontamination
Shower & Airlock Sy

Grayling

Components Components

liem	D-Con 3	D-Con 3XL	D-Con2		
	3-room system with dean, shower and equipment room, poles and shower nozzle sold separately	Extra large 3-room system with dean, shower and equipment room, poles and shower nazzle sold separately	Four dean and/or equipment rooms for use with standard popup style showers, poles sold separately		
	1001001	1001003	1002001		
The reserving Bon number	1001002	1001004	custom order only		
coull justifier	dean/shower/equip	dean/shower/equip	dean/equip		
edimensions	37"x37"x77"	43"x48"x81"	37"x43"x81"		
	77" pole set sold separately	81" pole set sold separately	81" pole set sold separately		
	sold separately	sold separately	n/a		
this wes	2 layer, 6 mils	2 layer, 6 mils	2 layer, 6 mils		
estillional Items	77 Pole Set	81 Pole Set	Shower Eldwie	7/7 Drain-leg	81 Drain Leg
description	77", 2-piece poles, set of 12, one set required per 3 units	81", 2-piece poles, set of 4, one set required per room	Directable shower nozzle with hot/cold flow control	77" drain leg with pump plumbing incorporated in pole	81" drain leg with pump plumbing incorporated in pole
number	1004001	1004002	1005001	1004003	1004004



CALL 800-635-1551



safety Supplier Targeting the Hazardous Environment"

P.O. Box 1626 7900 North Radcliffe St. Bldg. 101A Tullytown, PA 19007

Office: 215-547-7700 1-800-692-8557 Fax: 215-547-7800

SPECIFICATIONS FOR POLY PRO SUITS

ITEM:

- Spunbonded polypropylene coveralls with attached boots, elastic wrists and hood. 1.25 oz. material white in color. Cases of 25 each.
- Coveralls are packed 25 pieces per box. The 25 coveralls are packed in one poly bag.
- Garment labeling Small label is inside of garment behind neck, and information includes:

100% Spunbonded Polypropylene Size XXL (or XXXL as needed) Made in China

- Brown corrugated box with dimensions of 16"L X 11"W X 14" H.
- Each box is labeled* with the following information:
 1.25 Spunbonded Polypropylene Coveralls
 Part #500
 Size XXL (or XXXL as needed)
 25 White garments
 Made in China

• WARNING:

There are uses, environments, and chemicals, for which this garment is unsuitable. It is the user's responsibility to determine the level of toxicity and the proper personal protective equipment needed. Since conditions of use are beyond our control, we make no warranties, express or implied, and assume no liability.

• CAUTION:

Do Not Use for fire protection. Avoid open flame or intense heat.

*LABELS ARE ON EACH SIDE OF THE BOX. (TOTAL OF 2)

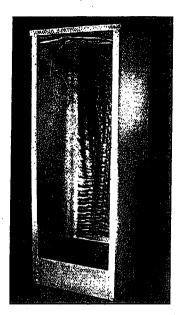
Material Safety Data Sheet HMIS* May be used to comply with OSHA's **HEALTH** REACTIVITY 0 Hazard Communication Standard, 29 CFR 1910.1200. Standard must be FLAMMABILITY 0 PERSONAL PROTECTION None consulted for specific requirements. Note: Blank spaces are not permitted. If any item is not applicable, or no information is available, the space must be marked to indicate that. Identity (As Used on Label and List) 26101, 26135, 26155, 26116 Top To Bottom SECTION I Manufacturer's Name **Emergency Telephone Number** ITW Dymon 1-800-535-5053 Address (Number, Street, City, State, and ZIP Code) **Telephone Number for Information** 805 EAST OLD 56 HIGHWAY 1-913-397-9889 Date Prepared **OLATHE, KANSAS 66061** April 3, 2000 Signature of Preparer (Optional) Regulatory Dept. SECTION II - Hazardous Ingredients/Identity Information Hazardous Components (Specific Other Limits Chemical Identity, Common Name(s)) CAS No. **OSHA PEL** ACGIH-TLV Recommended %(Opt.) In accordance with 29 CFR 1910.1200, this product does not contain sufficient concentrations of any substances defined as hazardous by this standard None of the compounds in this product are listed or present in concentrations requiring reporting under SARA Title III Sec. 313 Refer to CFR 372. SCA: All ingredients are on the TSCA inventory or are not required to be listed on the TSCA inventory. Any substance listed as hazardous by the States of California, Florida, Illinois, Michigan, New Jersey, Ohio, Pennsylvania or Texas is described above if known present in regulated concentrations. SECTION III Physical/Chemical Characteristics **Boiling Point** Specific Gravity (H₀O = 1) 212° F-1.01 @70°F Vapor Pressure (mm Hg @ 70% F) **Melting Point** No Data No Data Vapor Density (AIR= 1) Evaporation Rate (Butyl Acetate = 1) No Data No Data Solubility in Water Ηq Complete 4.5 - 6.0 Appearance and Odor -Pearlescent green lotion with a floral scent. SECTION IV - Fire and Explosion Hazard Data Flash Point (Method Used) Flammable Limits LEL UEL None to boiling point. (PMCC - est.) No Data No Data No Data Extinguishing Media -Not usually necessary as this product does not readily support combustion. Use an extinguishing agent appropriate for the fire's fuel source (i.e. - carbon dioxide, foam, dry chemical). Special Fire Fighting Procedures -Keep containers cool and vapors down with waterspray. Prevent runoff from entering sewers and public waterways. Wear SCBA in chemical fires. Unusual Fire and Explosion Hazards -None known.

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<u>-6101, 26135, 26</u>	155, 261	16						Δ	April 3, 2000
SECTION V -			**********			"	,		19111 0, 2000
Stability	Unsta		1	Condi	tions to Avoi	d None know	1170		
Carpinty	Stable		X	Condi	HOUS TO WACH	u - None Kno	WII.		
Incompatibilit				<u>!</u>					
Strong oxidizen	s and alks	diac	voluj -						
Hazardous De			hyproduc	ho _					
Carbon dioxide	carbon r	nonovide	formic a	us - cid form	alin smoke a	and soot			
Hazardous	Carbon dioxide, carbon monoxide, formic acid, formalin, smoke , and soot. Hazardous May Occur Conditions to Avoid - None known								
Polymerization		lot Occur	X	Condi	BOIIS LO AVOIT	u - None Kilo	WII		
SECTION VI -				<u></u>					
Route(s) of En		Eves?			Inhalation?		61		In an attanto
Nonre(s) of Pi	uy	Lyes:		No	innalation?	No	Skin?	Vo	Ingestion?
Health Hazards	: (Acute :	and Chre	onic\ -	140	<u> </u>	INU	<u> </u>	40	Yes_
				. May be	harmful if swa	allowed. May	cause irritation to th	roat and	gastrointestinal tract if
Carcinogenicit	y:	Ī	NTP?			IARC Mone	ographs?	OSHA	Regulated?
None known.				No		;	No No	ĺ	No
Signs and Sym						*			
Tearing, burning	g, and red	iness in e	eyes. Nau	sea, diar	Thea, and von	niting.			
Medical Condi	tions Ge	nerally A	\ggravate	d by Ex	posure -				
Pre-existing skir	n disorder	s may be	aggrava	ted if sub	ject to prolong	ged or repeat	ed overexposures.		
Emergency and						•			
Eyes - Flush wit	h plenty c	of water fo	or at least	15 minu	tes lifting eyeli	ds to insure o	complete removal. C	all a phy	sician if irritation arises
and persists. In	gestion -	- Drink pl	enty of wa	iter. Cal	l a physician o	r poison cont	rol center immediate	ly. Neve	er give anything by
						re route. Skir	n - Rinse with water.		
SECTION VII -									
teps to be Tal	cen in Ca	se Mate	rial is Rel	eased o	r Spilled -				
Caution: Slip ha	zard. Sm	all spill -	Pick up o	n absorb	ent. Large sp	ill - Dike to pr	revent spread. Vacu	um or pi	ick up on absorbent.
Place in suitable			residuals	with wat	er.				
Waste Disposa				T=1-11			PP P 11		****
Precautions to	he Teles	ederal re	guiations.	I npie n	nse empty cor	ntainer then o	ffer for recycling, reu	se, or re	econditioning.
Avoid contact wi	pe laken	i in rand	aling and	Storing	:= 				
Other Precautic	ne - Eall	ou lobel	directions	oorofully	Voor out of	renulated are	a.	م والحادثة و	sealed when not in use.
Do not contamin	ate water	food or t	feed by us	carefully	. Keep out of	reach of child	aren. Keep containei	rugnuys	sealed when not in use.
SECTION VIII -				6 01 StOI	age.				
Respiratory Pro								· · · · · · · · · · · · · · · · · · ·	
Not usually nece	ssary. Us	e with a	i ype) - dequate ∨	entilation	. Use NIOSH	MSHA appro	oved respirator if PEL	s or TL	Vs are exceeded.
Ventilation	Local E				Not necessar		ecial		None
Desta effect Of		ical (Ge	neral)		Yes	Oth		•	None
Protective Glov	es -				ł	Eye Protect			
Not necessary.	- Ol-4-:					Not usually n	ecessary.		
Other Protective		ig or ⊨qu	upment -	•					
Not usually neces Work/Hygienic									
Normal.	ractices	-							
INORMAI. Walio de la company de la company de la company de la company de la company de la company de la company de la c	dia mania dela								

WARDENIES IN the control of the manufacture; therefore, no guaranteed or implicit, a marks are to the effects of each or the newther to be obtained if not used in accordance with directions or established such practice. The user most assume all responsibility, including nivery or demands, and the second of the restricts. The manufacturery reports of the practice to the practice of the practice o

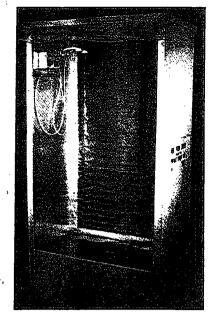
Aero-Porta Shower - Model #9105

The **original** collapsible telescoping decontamination shower. The Aero-Porta Shower is easily set up by two men in just a few minutes. To prevent leakage,



the side flaps are made from durable, high quality and opaque 20 mil. vinyl. The unit comes complete with shower fixtures, including hot and cold water hook up. The removable floor drain makes access to the 100 micron drain bag safe and easy. The fold down carrying handles. along with the collapsing feature, allow for mobility and ease of transport.

Weight	Dimensions of Shower Ready for Operation	Dimensions of Shower Collapsed
90 lbs.	Width - 31"	Width - 31"
	Height – 83"	Helght ~ 48"
	Length ~ 31"	Length – 31"



Aero-Material Transfer Shower --Model #9155

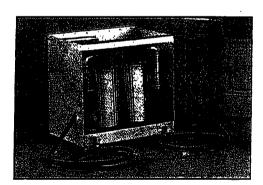
The 9155 is designed for use as a decontamination shower for equipment and bagged contaminants that allows contractors to decontaminate their equipment without using worker

shower facilities. The Material Transfer Shower incorporates two detachable hand held spray wands and includes a large 80 gallon holding tank (twice the size of the holding tank in the personal shower).

Weight	Dimensions of Shower Ready for Operation	Dimensions of Shower Collapsed
133 lbs.	Width - 30"	Width - 30"
,	Height – 83"	Height – 48"
	Length - 48"	Length – 48"

Aero-Two Stage High Capacity Pump - Model #9115

For the contractor with a large number of workers on the job. This unit is the luxury model of water filtration pumps.



Features include:

- 1/2 H.P. motor
- · 15 gallons per minute pumping and filtering capabilities
- 50 micror: first stage filter extends the life of the 5 micron final stage filter (to be used with the Aero-Shower)
- · Weight is 36 lbs.



900 Truman Pkwy. • P.O. Box 189 • Bay City, MI 48707 989/684-2121 • Fax 989/684-4486 • www.aerospacearnerica.com

To Whom it May Concern:

The Aero Porta Shower, complete with the Two Stage High Capacity Pump Filtration System, manufactured by Aerospace America, Inc. conforms to ANSI Z-9.2 standards. This unit also meets OSHA, EPA, and NEC standards. Based on a 10-hour working day, it is recommended that the 5 and 50 micron filters be changed every 30 hours. Depending on application, visual inspection may be required after 10 hours.

If you have any questions, feel free to call my office at 989-684-2121.

Best Regards.

Michael T. Alley

Aerospace America, Inc.



GOJO INDUSTRIES

One GOJO Plaza, Suite 500 Akron, Ohio 44311 P.O. Box 991 Akron, Ohio 44309-0991

HMIS RATING

Health CHEMTREC (PUBLIC EMERGENCY): 1-800-424-9300 (24 hours) Flammability 1 Reactivity Ō PHONE: (330) 255-6000 or 1-800-321-9647 Ext 8808 for MSDS Requests Personal Protection NA 1. PRODUCT: GOJO® ORIGINAL FORMULA HAND CLEANER 2. HAZARDOUS (OR OTHER) INGREDIENTS ACGIH TLV CAS NUMBER osha pel % RANGE Petroleum Distillates 8052-41-3 TWA: 500 ppm 100 ppm <40 Mineral Oil (as mist) 8042-47-5 5ma/m3 5mg/m3 <15 Sodium Hydroxide 1310-73-2 TWA: 2 mg/m³ Ceiling: 2 mg/m³ <3 Ethanolamine 141-43-5 TWA: 3 ppm TWA: 3ppm <1 STEL: 6 ppm STEL: 6 ppm (Propylene Glycol)(Canada: CN1) 57-55-6 NA <3 NA When used according to instructions, the products applicable to this MSDS are safe and present no immediate or long term health hazard. However, abnormal entry routes, such as gross ingestion, may require immediate medical attention. OSHA STANDARDS AND SARA TITLE III DO NOT APPLY TO THIS COSMETIC PRODUCT. COSMETICS AND UNLISTED INGREDIENTS ARE NOT CONSIDERED HAZARDOUS OR REPORTABLE BY ANY FEDERAL (OSHA, WHMIS, SARA, EPCRA, RCRA), ANY STATE OR ANY OTHER RIGHT-TO-KNOW 3. HEALTH HAZARD DATA: THIS SKIN CARE COSMETIC IS NOT HAZARDOUS OR TOXIC UNDER NORMAL USE CONDITIONS. ROUTES OF ENTRY: Inhalation Skin Eye ingestion CARCINOGENICITY: X Not Listed NTP **IARC OSHA ACGIH** OVEREXPOSURE: Medical Conditions Aggravated: None known Potential Effects: May cause eye irritation 4. EMERGENCY AND FIRST AID PROCEDURES: | EYE CONTACT: Flush immediately and thoroughly with water for 15 minutes. If condition worsens or irritation persists, contact a physician. INGESTION: DO NOT INDUCE VOMITING. If vomiting occurs, lower the person's head below their knees to avoid aspiration. Contact physician or poison control centre. 5. FIRE FIGHTING OR Flash Point, °F/°C: NA Flammability LEL. % NA **EXPLOSION DATA:** (PMCC Method) Limits: UEL, NA **EXTINGUISHING MEDIA:** X Water Fog X Alcohol Foam X CO, X **Dry Chemical** Other Unusual Fire and Explosion Hazards: NFPA 704 Rating: 0 None known NA Special Fire Fighting Procedures: None known 6. ACCIDENTAL RELEASE MEASURES: NOT REPORTABLE UNDER CERCLA OR SARA TITLE III SECTION 304. IF MATERIAL IS RELEASED OR SPILLED: Pick up large spills or absorb on inert material. Collect in sealed approved container for disposal. Flush area with water to clean up small amounts and reduce possible slippery floor hazard. 7. PRECAUTIONS FOR SAFE HANDLING AND USE: STORE AWAY FROM THE REACH OF SMALL CHILDREN. PERSONAL PRECAUTIONS: Avoid contact with the eyes. Do not take internally. STORAGE AND OTHER PRECAUTIONS: Store at ambient indoor conditions. Keep containers sealed. 8. CONTROL AND PROTECTION MEASURES: COMPLY IF APPLICABLE EXPOSURE LIMITS SHOWN IN SECTION 2 ABOVE. PEL (OSHA): NA Skin Note: NA TLV (ACGIH): Not Applicable TWA: None STEL: None VENTILATION: Mechanical: Not required if used as directed Local: Not Required Special: Not Required PERSONAL PROTECTION: Respiratory: Not required If Not Required Skin: Not Required Eyes: used as directed Protective Equipment or Clothing: Not Required Work/Hygienic Practice: Routine personal hygiene

GOJO® ORIGINAL FORMULA HAND CLEANER 9. PHYSICAL AND CHEMICAL CHARACTERISTICS ND NA Melting Point, °F/°C: Boiling Point, "F/"C: 0.9 Specific Gravity (H2O =1): Vapor Pressure (mm Hg): NE Vapor Density (Air =1): NE Evaporation Rate (H₂O =1): <1 pH (undiluted): 9 typical Volatility. % <75 (<40 VOC) >100,000 cps Viscosity, cps: Solubility in Water: >45% emulsifies Color/Clarity/Form & Odor: White opaque gel, characteristic solvent odor 10. STABILITY AND REACTIVITY DATA Conditions to Avoid: Stability: Hazardous Polymerization: None known None known Incompatibility (Avoid): None known Decomposition or By-Products: Combustion may produce CO, CO2, NOx NO ACUTE TOXIC EFFECTS EXPECTED BY INHALATION, INGESTION, OR CONTACT 11. TOXICOLOGICAL INFORMATION: DURING ANTICIPATED HANDLING AND USAGE. NO LONG TERM CHRONIC ALSO SEE SECTION 3 **EFFECTS** Sensitization: None known Synergism: None known Irritant: Not a primary irritant Skin LD50: Oral LD50: ND Inhalation LC50: NOT EXPECTED TO CAUSE ADVERSE ENVIRONMENTAL EFFECTS. 12. ECOLOGICAL INFORMATION: NOT CONSIDERED ENVIRONMENTALLY HARMFUL FROM NORMAL DILUTION, EXPECTED USAGE AND TYPICAL DRAINAGE TO SEWERS, SEPTIC SYSTEMS, AND TREATMENT PLANTS. Bioconcentration: ND POTENTIAL: Biodegradation: ND Oxygen Depletion: ND BOD: NE COD: NE AFFECTS: Aquatic Organisms: ND Waste Plant Microbes: ND DISPOSE ACCORDING TO LOCAL, STATE/PROVINCE, FEDERAL & INTERNATIONAL 13. DISPOSAL GUIDELINES: REGULATIONS. NOT A CHARACTERISTIC HAZARDOUS OR LISTED WASTE BY USEPA & RCRA (40CFR PART 261). NOT HAZARDOUS BY DOT, HM-181, TDG, IATA, & IMO REGULATIONS. TRANSPORT REGULATIONS: UN/NA/PIN: Shipping Class: Not regulated as hazardous I abel: NOT REGULATED BY DOT, OSHA, WHMIS, TSCA, SARA, OR 15. REGULATORY CONSIDERATIONS: STATES. COSMETICS & INGREDIENTS ARE NOT CONSIDERED HAZARDOUS OR REPORTABLE BY ANY FEDERAL (TSCA, OSHA, WHMIS, SARA, CERCLA, EPCRA, RCRA), ANY STATE, OR ANY OTHER RIGHT-TO-KNOW-REGULATIONS. TSCA, OSHA STANDARDS , SARA TITLE III, AND STATE RIGHT-TO-KNOW LAWS MAKE EXCEPTIONS, EXCLUSIONS AND EXEMPTIONS FOR COSMETIC PRODUCTS THAT ARE REGULATED BY AND LABELED ACCORDING TO THE FOOD AND DRUG ADMINISTRATION (FDA). TSCA, DSL, EINECS: Components of the product are listed, exempted or excluded from these requirements. SARA TITLE III: Sec. 302 EHS, TPQ: NA Sec. 304 EHS, RQ: NA Sec. 311/312: Sec. 313: None

USA STATE REGULATIONS: Reportable substances present at notification quantities:

NA

NA and None known

INTERNATIONAL HAZARD CLASS: Canada (WHMIS or TDG):

Not a Controlled Product

EEC: Not Regulated

16. OTHER RELEVANT INFORMATION:

NO DATA AVAILABLE UNLESS SPECIFICALLY INDICATED BELOW.

DATE: 25 January 2000 SUPERSEDES:

23 February 1999

NOTICE: THE INFORMATION HEREIN IS BASED ON DATA CONSIDERED TO BE ACCURATE AS OF THE DATE OF PREPARATION OF THIS MATERIAL SAFETY DATA SHEET. HOWEVER, NO WARRANTY OR REPRESENTATION , EXPRESSED OR IMPLIED, IS MADE AS TO THE ACCURACY OR COMPLETENESS OF THE FOREGOING DATA AND SAFETY INFORMATION. THE USER ASSUMES ALL LIABILITY FOR ANY DAMAGE OR INJURY RESULTING FROM ABNORMAL USE FROM ANY FAILURE TO ADHERE TO RECOMMENDED PRACTICES OR FROM ANY HAZARDS INHERENT IN THE NATURE OF THE PRODUCT.

NA=NOT APPLICABLE, ND=NO DATA, NE=NOT ESTABLISHED. FORM COMPLIES WITH OSHA FORM 174, EEC, & DRAFT ANSI FORMATS.

MATERIAL SAFETY DATA SHEET

Identity: Eyesaline Solu	tion - Part #s 450,451,452,453					
Section is the second section in the second section is a second section in the second section in the second second section is a second section in the second section is a second section in the second section in the second section is a section section in the second section in the section is a section section in the section in the section section is a section section section in the section section is a section sec		Selection and character		建设数据	DEPTE OF	
Manufacturer: Fendall Inc.				elephone: 84		.)
Address: 5 East College Drive			Telephone: 8			
Arlington Heights, IL	60004	Dat	te Prepar e	:d: 01/01/2001		
Section 1192 Hazardone I	ngredients/(dentity/Informs	tion				
Hazardous Components			SHA EL	ACGIH TLV	Other limits recommend	_ ' '
(Specific Chemical Identity; C BENZAL KONTUM CHLORIDE C	AS#8001-54-5		ONE	NONE	N/A	
Section (11 Cition 18 and 18 and 18						
Bolling Point: 212° F (100° C)	The state of the s	Specific Gra	vity (H2 ()=1: NOT D	ETERMINED	
Vapor Pressure (mm Hg.): 76		Melting Poin		·····		
Vapor Density (Air = 1): NOT	DETERMINED 1	Evaporation	Rate (Bu	tyl Acetate =	i): NOT DETER	RMINED
Solubility in Water: 100%						
Appearance and Odor: COLC	ORLESS LIQUID WITH NO DISCE	RNABLE O	DOR.			
Section V. Bur and Exploit	ing accompany of the company					
Finsh Point (Method Used): N		Flammable			LEL: N	/A UEL: N/A
	S A NONFLAMMABLE AQUEO	US SOLUTI	ON		<u></u>	
Special Fire Fighting Procedu						
Unusual Fire and Explosion B			- Francisco de Albarda de	at the error and the same attack with	e mente esta in la participa de la companya de la companya de la companya de la companya de la companya de la c	NO.
Stability	Unstable: NO Stable: YES	REACTI	ns to Ave VE AND : E AND U	STABLE UNI	ER NORMAL C	BLE CONSIDERED NO CONDITIONS OF
Incompatibility (Materials to	Aveid): NONE KNOWN					
Hazardous Decomposition or	-					· ·
Hazardous Polymerization	May Occur: NO WIII Not Occur: YES	Conditio	ns to Ave	id: NONE		
Sealois va veelii suovii il						
Route(s) of Entry: Inhalati	on? NO Skin? NO Ingestic	n? YES	200,000	Y		
	aronic): INGESTION OF VOLUM	ES IN EXCE	SS OF 20	LITERS MA	CAUSE GAST	RIC IRRITATION
Carcinogenicity: NTP? NO	IARC Monographs? NO	OSHA R	egulated?	NO		
Signs and Symptoms of Expos						
	Aggravated by Exposure: N/A					
Emergency First Aid Procedur	res: NOTES TO PHYSICIAN: IN VOMITING AND OBSERVE THE	THE UNLIK	ŒLY EVI FOR GAS	ENT OF RAPI TRIC IRRITA	D INGESTION (TION.	OF LARGE VOLUMES
Section 8 2022 Resemble 5 (a)						
	terial is Released or Spilled: FLUS	H AREA W	TH WAT	ER. THE SO	LUTION IS NOT	FRCRA HAZARDOUS
WASTE						
Waste Disposal Method: N/A	andling and Storing: DO NOT FR	DEAD VD L	VIDO OTE TO	O TEL (DED 4)	TIPPS IN EVA	FSS OF 110° F (42° C)
FOR EXTENDED PERIODS	moung and Storing: DO NOT PK	EEZE UK E	APOSE I	O IEWFERA	I UKES IIV EAC	<u> </u>
Other Precautions: N/A						
Respiratory Protection: N/A						
Ventilation	Local Exhaust: N/A	 			T :	Special: N/A
	Mechanical: N/A					Other: N/A
Protective Gloves: N/A	***************************************	Ey	ye Protect	ion: N/A		
Other Pretective Clothing: N/	A					

MiniForce II.

Omnitec Design Manufacturing Environmental Abatement Equipment since 1988 1-888-528-0058 phone 425-774-4983 fax Monday-Friday 8:30-5:00 PST

HEPA Air Filtration System with Carbon Absorber For Removal of Toxic Mold, Asbestos Remediation Projects & Healthier Environment

MINIFORCE II HEPA Air Filtration machine is designed for small containments and projects with difficult or limited access. MINIFORCE II goes where the big machines can't. It's portability and airflow capacity makes it ideal for remediation onboard ships, crawl spaces, attics, residences and many other projects.

Specifications	MINIFORCE II
Net Weight With Filters	40 lbs
Dimensions (LxWxH)	26.5"x14"x14"
Operating Speeds	2 speeds
Airflow Ratings	350-425cfm
Filtration Stages	3 or 4
99.97% HEPA Filter	Yes
Cabinetry-Aluminum Closed End Rivet	0.08
) Construction	Yes
Silicon Sealed Seams before Riveting	Yes
Exhaust Collar Diameter	8"
Carrying Handles w/rubber	1
Casters	Optional
Reinforced Caster Mounting	 /.
Channels	N/A
Motor Horse Power Circuit Requirements	1/5hp
(Volts/Hz/Phase)	115 Vac/60hz
Maximum Operating Amps	3.2 amp
Thermal Overload Protection	Yes
Pressure Gage:	0-3" W.C.
Tropare ore.	0-3 W.C.



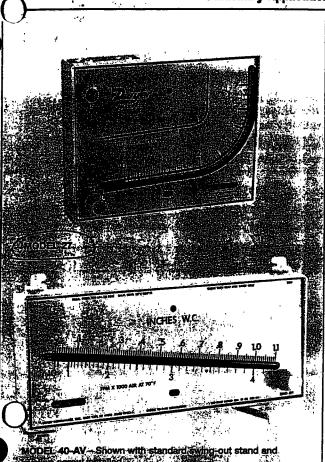
Ordering Info	
Product	Part Number
MINIFORCE II	MF100
HEPA 99.97% filter Primary/secondary	MFH12
filter Intake Manifold, 8"	MFP1313
dia. ring	MFIM8
Flexible Duct, 8"x25 ft	MD8
Quick Clamp, 8" dia OdorGuard 600 carbon	QC8
pad	OG12
OdorGuard 750 Plus carbon	OGP12

^{*}Airflows based on blower manufacturer curves. Different HEPA filters may cause the flow to vary.



MARK II Molded Plastic Air Velocity Meters Low in cost — Direct reading scales offer 3% accuracy — For Portable or

Stationary Applications



Model Number	Range		
27	0-7,000 fpm		
28	0-10,500 fpm		
40-1-AV	0-4,200 fpm		
41-2-AV	0-6,300 fpm		
40-250 Pa-AV	0-21 fpm		
A-612	Portable Stand (27,28)		

Pitot tube not included with models above

Construction and installation features:

Construction is simple with virtually indestructible molded white styrene acrylonitrile housing, indicating tube and fluid wells, molded ABS knobs and zero adjust plunger, shock mounted glass level vial and leak proof "O"ring seals. Scales are lithograph printed on aluminum and epoxy coated.

For stationary applications, the Mark II air velocity meters can be easily mounted on any vertical surface with the two screws provided. A built in spirit level simplifies leveling.

Just fill the reservoir, adjust fluid level to zero, connect the pitot tube, and it is ready for operation. For portable applications, the Model A-612 portable stand is available for Models 27 and 28.

A molded plastic swing-out stand and leveling screw for user installation are provided with Models 40-1-AV and 41-2-AV which also feature rapid shutoff tubing connectors and built-in over pressure

Additional standard accessories include plastic connection tubing, mounting screws, % oz. bottle of indicating fluid and instructions. Metric ranges are also available.

OEM Specials - All models of the Dwyer Mark II molded plastic air velocity meters can be supplied with your logo or special scale in OEM quantities. Consult factory for details.

Portable Magnehelic® Pressure-Air Velocity Gages

Dead read-out no tapping necessary

Use with Pitot tube for air velocity measurement or without for pressure measurement. Easy and quick to use, Portable Magnehelic Gages with dual scale are less sensitive to level than liquid gages, yet offer accuracy to ±2% over the full scale. †Air Velocity Scale provides direct reading for standard air without conversions. They are handy to use on a ladder or in confined locations encountered in field testing. Dwyer magnetic linkage provides exceptionally responsive, consistently accurate indication of air velocity, positive, negative or differential pressures in air and non-corrosive gases. Pointer movement is inertia-free and drift-free. Highly resistant to shock and vibration.

Portable Magnehelic Unit includes:

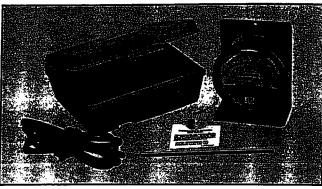
Choice of 5 models - Scales from 0-.25" w.c.,300-2000 f.p.m. to 0-10" w.c., 2000-12,500 f.p.m. Maximum total pressure rating 15 psig. Ambient temperature range 30° to 140°F. Aluminum stand iriditedipped; gage has baked gray hammerloid finish. Furnished in gray plastic carrying case. Connections include %" N.P.T. high and low pressure taps, duplicated-one pair side and one pair back. Two %"

plugs included. Rubber Tubing and Adapters — One 9 ft. of % L.D. tubing, terminal tube and two pipe thread to tubing adapters.



12000-0, 4% accuracy; 2000-0, 3% accuracy





SILICONE



HALFMASK

AIR-PURIFYING RESPIRATOR

7700 SERIES SILICONE HALF MASK



770030L Half Mask shown with N75003 Cartridges

The 7700 Series is the most comfortable and durable half mask available. Its soft non-allergenic silicone seal provides excellent protection, comfort and fit. The half mask cradle suspension system allows the facepiece to seal evenly on the face without creating pressure points. Its low profile gives workers a wide field of vision and does not interfere with protective eyewear. The low inhalation and exhalation resistance of the 7700 Series makes breathing easier to reduce worker fatigue.

FEATURES AND BENEFITS

- Silicone facepiece material conforms to facial features and doesn't harden with age. Silicone is easy to clean, extremely durable and resists distortion ensuring a better fit, time after time.
- Contoured sealing flange and cradle suspension system eliminates discomfort caused by pressure points on facial nerves. Design of nose area provides excellent comfort and fit.
- · Minimal dead air space improves worker comfort by limiting re-breathing of exhaled air.
- Direct cartridge to facepiece seal minimizes replacement parts and simplifies maintenance.
- Three overlapping sizes will comfortably fit most users.
- North 7700 Series Half Masks are compatible with all North cartridges, filters and accessories.

Part#	Description	Packaging
770030S	7700 Series Half Mask (Small)	1 per package
770030M	7700 Series Half Mask (Medium)	1 per package
770030L	7700 Series Half Mask (Large)	1 per package

CARRY BAG



77BAG for Half Mask

This durable, belt-mounted carry bag can be used with any North Half Mask Respirator. Along with your North Half Mask Respirator, there is room for safety glasses, ear plugs, respirator wipes and other small items.

Part#	Description	Packaging
77BAG	Carrybag for Half Mask	1 per package

NORTH North Safety Products



PULLMAN HOLT Wet/Dry Vacuums

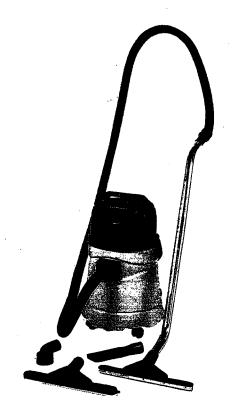


Model 45-10P

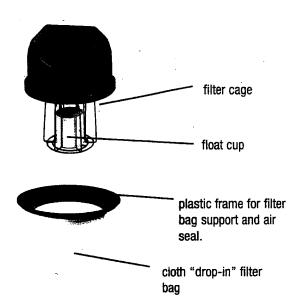
The 45-10P is a powerful, lightweight and portable wet/dry vacuum for super quiet operation. It is designed for use in facilities requiring professional high quality performance at a moderate cost.

Features:

- High quality, long life 1.5 HP bypass motor for fast, superior pick-up (87" waterlift, 106 cfm).
- High efficiency "drop-in" style cloth filter bag for maximized air flow.
- Blow molded poly canister with four casters has low center of gravity and will shrug off years of hard use.
- Full swivel hose connection system for easy handling and operation.
- · Low noise allows operation in sound sensitive areas.
- Includes complete tool kit with 10' x 1.5" hose, 5' two-piece metal wand, 10" crevice tool, round dusting brush, 16" floor carpet tool and 16" floor squeegee tool.



Model 45-10P Filter System





The 640i has 21% more output than the 440i and comes in three different configurations. It is ideal for medium to large residential, commercial and maintenance applications.

Materials to be sprayed: Stains, lacquers, enamels, multi-colors, oil based and latex based paints.

Lightest sprayer in its class

- Advanced ICS microprocessor control with indicator lights
- Turbo PulseClean
- 60 mesh Quick Removal manifold filter standard
- Extreme Duty Fluid Section

640 i Specifications

· Max. Delivery

• Max. Tip Size - (1) Gun

• Max. Operating Pressure

· Weight - Skid Frame

• Weight - High & Low Rider Frame

• Power Source

Skid Frame Complete*

• Low Rider Complete*

• High Rider Complete*

* Comes with the NEW LX-80" Gun, Tip & Hose Kit. Now with a New and Improved Lighter Trigger-Pull.

.57 GPM (2.2 lpm)

.023"

0 - 3200 PSI (221 bar)

35 lbs. (15.9 kg)

55 lbs. (29.5 kg)

1.3 hp DC Motor

P/N 765-3000

P/N 765-3015

P/N 765-3010

.com rtien. ool Inc. 13-075



Ν D U S А S

NASHUA 396

Multi-Purpose Grade Duct Tape

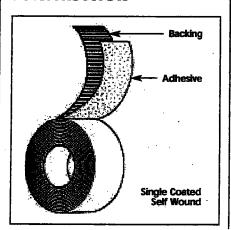
APPLICATIONS

- Home and general repair.
- · Bundling, patching and mending.
- · Emergency tape for automotive breakdowns.
- · Repairing pool liners, garden hoses, auto upholstery, etc.

FEATURES AND BENEFITS

- Versattle polyethylene coated cloth tape.
- · Conforms well to irregular surfaces.
- Adheres to a wide variety of surfaces.
- Tears straight, hangs straight, curl resistant.
- Easy unwind.

CONSTRUCTION



PRODUCT DESCRIPTION

Backing:

• Polyethylene coated cloth.

Adhesive:

• Natural rubber based.

Colors available.

TEST DATA

Test	Typical Value	Typical Value (Metric)	Test Method
Thickness	10 mils	0.25 mm	ASTM D-1000
Adhesion to Steel	49 oz./in.	54.9 g/mm	PSTC-1
Adhesion to Backing	45 oz./in.	50.4 g/mm	PSTC-1
Quickstick	15 oz./in.	16.8 g/mm	
Tensile Strength	23 lb./in	0.41 kg/mm	ASTM D-1000
Unwind Force	69 oz./in.	77 g/mm	ASTM D-1000
Maximum Temperature	200°F	93°C	
Flame Spread	15	N/A	UL 723
Smoke Developed	5	N/A	V1 723

Typical values are not intended to be used for specification development. Technical data is believed to be true and accurate. We recommend the purchaser test the fitness for use for all applications.

USA 1400 Providence Highway Norwood, MA 02062 800-343-7875 AX: 1-800-328-4822 www.tycoadhesives.com

ASIA 163 Penang Road #07-03 Winsland House II Singapore 238463 65 2354759 EAX: 65 7373000

EUROPE

h. Van Veldekesingel 150/29 B-3500 Hassak Belgium 32-11-870-850 FAX: 32-11-870-851

LATIN AMERICA 11811 Forth Freeway Suite 500

Houston, Texas 77060 281-581-4844 FAX: 281-591-4845



A TUCO INTERNATIONAL LTD. COMPANY



NASHUA 396



IN DUSTRIAL TAPES

PRODUCT CERTIFICATION

Nashua * 396

Multi-Purpose Grade Duct Tape

PRODUCT DESCRIPTION

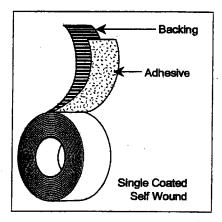
Backing/Carrier:

Polyethylene coated cloth

Adhesive:

Rubber

CONSTRUCTION SINGLE COATED SELF WOUND





Underwriters Labs Complies With UL 723

LABS

U.L. 723 - Test For Surface Burning Characteristics Of Building Materials

Scope: This method of test for surface burning characteristics of building materials is applicable to any type of building materials that, by its own structural quality or the manner in which it is applied, is capable of supporting itself in a position or may be supported in the test furnace to a thickness comparable to its recommended use.

The purpose of the test is to determine the comparative burning characteristics of the material under test by evaluating the spread of flame over its surface and the density of smoke developed when exposed to a test fire, and thus establish a basis on which surface burning characteristics of different materials may be compared, without specific considerations of all end-use parameters that might affect the surface burning characteristics.

This method of test is intended to register performance during the period of exposure, and not to determine suitability for use after the test exposure.

USA

UNDERWRIT

1400 Providence Highway Norwood, MA 02062 1-800-343-7875 FAX: 1-800-328-4822 www.tycoadhesives.com

ASIA

26 Ang Mo Kio #04-01 Singapore 56907 65 4847500 FAX: 65 482030

EUROPE

h. Van Veldekesingel 150/29 B-3500 Hassalt Belgimm 32-11-870-850 FAX: 32-11-870-851

LATIN AMERICA

9801 Westbeimer, Suite 302 Houston, TX 77042 713-278-6922 FAX: 713-278-6923 Tyco Adhesives



Multi-Purpose Dry Chemical (ABC)





- Ideal for Vehicles, Apartments and Trailers
- ◆ Standard Commercial Design
- ◆Compact Design

PRO4 MP PRO5 MP

- ◆4lb. Model Meets 2-A:10-B:C Compliance
- ◆ 5ib. Model Exceeds 2-A:10-B:C Compliance
- ◆ Ideal for Common Industrial Use: Office, Hotels, Schools.

PRO10 MP

- Ideal for Industrial Applications such as Hospitals, Universities, Warehouse and Plant Locations.
- ◆ Commercial Design Meets Industrial Requirements.
- Seamless Steel Cylinder is Superior to Welded Designs.

PRO20 MP

- Designed for High Hazard Industrial Application.
- Highest UL Rating For Multi-Purpose Models.
- Seamless Steel Cylinder is Superior to Welded Designs

ProLine Multi-Purpose Dry Chemical

UL Rating	1-A:10-B:C	2-A:10-B:C	3-A:40-B:C	4-A:60-B:C	10-A:80-B:C
Effective Against Class	ABC	ABC	ABC	ABC	ABC
Model	PR02.5 MP	PRO4 MP	PRO5 MP	PRO10 MP	PRO20 MP
Part No.	466227	466288	466112	466204	466206
Contents (lb/kg)	2.60/1.20	4.00/1.82	5.00/2.30	10.00/4.50	18.00/8.20
Filled (lb/kg)	3.90/1.80	8.38/3.80	7.90/3.60	17.00/7.70	30.00/13.60
Shipping (lb/kg)	4.20/1.90	8.80/4.00	8.50/13.90	19.50/8.80	30.44/13.83
Diameter (in/cm)	3.30/8.30	4.50/11.43	4.50/11.40	5.12/13.00	7.00/17.80
Height (in/cm)	15.00/38.10	16.00/40.64	16.00/40.60	21.18/53.80	21.60/54.90
Width (in/cm)	5.30/13.50	7.80/19.81	7.80/19.70	8.22/20.90	8.30/21.10
Discharge Time (sec)	8-10	8-10	13-15	19-21	19-22
Discharge Range (ft)	6	12	18	20	20
Optional Metal Strap Bracket Part Number	466401	466400	46 6400	366242	292474
Operating Pressure (PSI)	100	100	1 9 5	195	195
Cylinder Material	Aluminum	Aluminum	Aluminum	Steel	Steel
Units/Overpack	6	4	4	1	1
Bracket Provided	Wall Hanger	Wall Hook	Wall Hook	Wall Hook	Wall Hook

Operable Temperature Range All Models: -40F to 120F (-40C to 48C)

Brackets: Units are equipped with a wall hanger for mounting in standard applications. Heavy duty vehicle brackets are available for high traffic and vibration areas as well as U.S. Coast Guard, Bureau of Motor Carrier Approvals.

Pro Line Multi-Purpose Dry Chemical Feature

- Strong aluminum valve body for standard commercial applications.
- Designed to meet most commercial and industrial specifications.
- Seamless aluminum and steel cylinders have chip resistant epoxy finish.
- Reliable pressure gauge for fast and easy pressure checks.
- Superior agent provides higher UL ratings than other agents in comparable sizes
- Handle made from pressed heavy gauge metal for added strength.
- Fits all standard cabinets.
- Mar-resistant pictogram mylar label.
- Six Year Warranty

Approvals and Listings

ANSI/UL (Underwriters Laboratories Inc.)
DOT (Department of Transportation)
OSHA (Occupational Safety and Health Administration)
USCG (United States Coast Guard)
BMC (Bureau of Motor Carrier Safety Regs. Pat. 393.95)



Walter Kidde Portables

Material Safety Data Sheet

Date Of	H.M.I.S. Ratings	Type Hazard	Rating
Preparation : 09-28-95	Minimal0	Health	1
Supersedes : <u>02-01-93</u>	Slight1 Moderate2	Flammability	0
Prepared By : M. D. Brown	Serious3 Severe4	Reactivity	0

I. Product Identification - Kidde ABC Dry Chemical Extinguisher

CAS Number: NA

Fire Extinguisher:

Walter Kidde Portable Equipment Co.

Product Name:

Manufacture

1394 South Third Street

Mebane, N.C. 29302

ABC Extinguisher

Powder Manufacture

: INDUSTRIAL DE FOSFATOS, S.A. DE C.V.

ABC Dry Chem. Powder

AV. DIVISION DEL GOLFO 3308 NORTE 87620 CD. VICTORIA, TAMAULIPAS

MEXICO

Fire Extinguishing Agent

(131) 6-1690; Fax: (131) 3-0301

Emergency Telephone Number: CHEMTREC 1-800-424-9300

II. Ingredients

	Weight %	Exposur	e Limits	Hazard
Compound, CAS Number	Approx.	OSHA PEL	ACGIH TVL	
Monoammonium Phosphate, 7722-76-1	55 - 90	None	None	None
Ammonium Sulfate, 7783-20-2	2 - 37	None	None	None
Mica, 12001-26-2	1 - 3	20 mppcf	.3 mg/ cm3	-
Attapulgus Clay, 8031-18-3	1 - 3	None	None	None
Amorphous Silica, 7631-86-9	0.5 - 2.5	-	10 mg/cm3	None
Methylhydrogenpolysiloxane,	0.3 - 1	None	None	None
68037-59-2				

Notes: TLV reported as 8-hour Time-Weighted average for respirable dust (nuisance dust)

III. Physical /Chemical Characteristics

(Air = 1):

Boiling Point, deg. C: NA Relative Density NA Viscosity @ 20 deg. C: NA

@20/4 deg. C

Vapor Pressure, NA Evaporation Rate NA Melting Point, deg. C: NA mm Hg @ 20 deg. C: (Butyl Acetate = 1) Decomposes

Vapor Density NA

Appearance and Odor: Odorless Fine Yellow Powder

Solubility in Water: Limited



(Continued)

Autoignition

Temperature: NA

Flammable limits in air: The product is nonflammable

Extinguishing Media: Not Applicable

Special Fire Fighting Procedures: The material is not combustible and will not burn. However, use standard chemical fire fighting procedures and treat cylinder as a Nonflammable Compressed Gas Cylinder with the hazards of other involved materials. For fires in enclosed areas Firefighters must use self-contained breathing apparatus. Prevent runoff from fire control or dilution from entering streams or drinking water supply.

Unusual Fire and Explosion Hazards: Pressurized Nonflammable Compressed Gas Cylinder.

V.	Reactivity	Data

Stability:	Stable	X	Conditions to avoid: Extreme Heat
Unstable			

Incompatibility (Materials to avoid): Acidic and Ammonium Compounds

Hazardous Decomposition or Byproducts: Reaction with Acids releases Carbon Dioxide

Gas and with Ammonium Compounds releases Ammonia Gas

Hazardous Polymerization: May Occur | Will Not Occur | X

Conditions to avoid: NOT APPLICABLE

VI. Health Hazards

		1				
Routes of Entry:	Inhalation:	Yes	Skin/Eyes:	Yes	Ingestion:	No

Health Hazard (Acute and Chronic)

Breathing dust may irritate the noise and throat and cause coughing and chest discomfort. Dust may irritate the eyes. Prolonged contact can produce slight to severe skin irritation.

Carcinogenicity:	NPT:	No	IARC:	No	OSHA:	No
------------------	------	----	-------	----	-------	----

This material is not considered to be a Carcinogen

Medical conditions generally aggravated by exposure:

Respiratory Disease including Asthma and Emphysema.

Skin sensitivity

Emergency and First Aid Procedures:

Eye Contact: Flush thoroughly with water for at least 15 minutes. Get medical assistance;

Skin Contact: Wash contact area with soap and water;

Inhalation: Remove from further exposure. If unconsciousness occurs, seek immediate medical assistance and call a Physician. If breathing has stopped, use mouth to mouth resuscitation; Ingestion: Not expected to be a problem however, if greater than half liter (One Pint) ingested, immediately give 1 to 2 glasses of water and call Physician, Hospital Emergency Room or Poison Control Center for assistance. Do not induce vomiting or give anything by mouth to an unconscious person:

Notes to Physician: Symptomatic treatment only.

(Continued)



VII. Precautions For Safe Handling And Use

Steps to be taken in case Material is released or spilled:

Wear protective equipment including rubber boots, rubber gloves, rubber apron, and full face piece or a half mask Air - Purifying Cartridge Respirator with particulate filters. Wear chemical goggles if a Half Mask is worn. Caution: When handling Fire Extinguisher which has accidentally discharged show care when handling and point extinguisher discharge nozzle away from the face area. For small spills, sweep - up and dispose of in a DOT-Approved Waste Container. For large spills, Shovel into DOT - Approved Waste Containers. Keep out of sewers, storm drains, surface waters, and soil. Comply with all applicable Government Regulations on spill reporting, handling and disposal of waste.

Waste Disposal Method:

Dispose of Contaminated product and materials used in clean-up of spills or leaks in a manner approved for this material. Consult appropriate Federal, State, and Local Regulatory Agencies to ascertain proper disposal procedures. **Note:** Empty Containers can have residues, gases, and mist and are subject to proper waste disposal, as above.

Precautions To Be Taken Handling and Storing:

Store in a cool, dry, well-ventilated place away from acidic and ammonium compounds. Wash thoroughly after handling. Do not get in eyes, on skin, or on clothing. Do not cut, grind, weld, or drill on or near product containers. Containers, even those that have been emptied, will retain residue and vapors. Always obey hazard warnings and handle empty containers as if they were full.

Other Precautions:

Report spills as required to appropriate authorities. U.S. Coast Guard Regulations require immediate reporting of spills that could reach any Waterway including intermittent dry creeks. Report spills to Coast Guard telephone number (800) 424 - 8802. In case of accident or road spill notify Chemtrec telephone number (800) 424-9300.

VIII. Control Measures

Respiratory Protection:

Use dust respirator approved by NIOSH/MSHA schedule TC-21C for dusty conditions or if dust levels exceed established standards. No special requirements under ordinary conditions of use and with adequate ventilation.

Ventilation: Use in a well ventilated area.

Protective Equipment: Chemical type goggles should be worn.

Work/Hygiene Practices: No special equipment required. However, good personal hygiene practices should always be followed.

(Continued)

Page 4 of 4



IX. Regulatory Information

DOT Shipping Name: Fire Extinguishers

DOT Hazard Class: 2.2 (Nonflammable Compressed Gas)

DOT I.D. Number: UN1044

Packing Group: N/A

U.S. OSHA Hazard Communication Standard: Product assessed in accordance with OSHA 20 CFR 1910.1200 and is determined hazardous due to cylinder being a pressurized vessel.

RCRA Information: The unused product, in our opinion is not specifically listed by the EPA as hazardous waste (40 CFR, Part 261D), nor is it formulated to contain materials which are listed hazardous wastes. It does not exhibit the hazardous characteristics of ignitability, corrosivity, or reactivity, and is not formulated with contaminants as determined by the toxicity characteristics leaching procedure (TCLP) however, used product may be regulated.

U.S. Superfund Amendments and Reauthorization Act (SARA) Title III: This product contains no "Extremely Hazardous Substances" SARA (311/312, formerly 302) Reportable Hazard Categories: None SARA (313) Toxic Release Program: No reportable chemicals.

Fire Extinguisher Data Prepared by:

M.D. Brown, Dir. Environmental Engineering Walter Kidde Portable Equipment Company 1394 South Third Street Mebane, N.C. 27302 (919) 563-5911 Ext. 221 Fax:(919) 563-4582

Powder Product Data Supplied From MSDS by:

Quality Assurance Subdivision Av. Divison del Golfo 3308 87019 Cd. Victoria, Tramps. Mexico (133) 6-03-02; 3-03-03; 3-03-04 Fax: (131) 3-03-01

This product data is offered in good faith as typical and not as a product specification. The information contained herein is based on available data and is believed to be true and accurate. No warranty, expressed or implied, regarding the accuracy of this data, hazards connected with the use of the material, or the results to be obtained from the use thereof, are made. Walter Kidde Portable Equipment Company nor Industrial De Fosfatos, S. A. DE C.V. assumes no responsibility for damage or injury from the use of the product described herein.



SUBSTANCE: NITROCELLULOSE: MEMBRANE FILTERS

SECTION 1 CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

MILLIPORE CORPORATION 80 ASHBY ROAD BEDFORD, MA 01730 (617) 275-9200

EMERGENCY TELEPRONE NUMBER: 1-800-424-9300 (NORTH AMERICA) 1-703-527-3887 (INTERNATIONAL)

TRADE NAMES/SYNONYMS:

MF MEMBRANE; HI-FLOW (SNO, SPO, SRO, STO, SXO) MEMBRANE; IMMOBILON (NC, NC-PURE) MEMBRANE; BEDOB114

CREATION DATE: May 27, 1997 REVISION DATE: Oct. 15, 1997

SECTION 2 COMPOSITION, INFORMATION ON INGREDIENTS

COMPONENT: PYROXYLIN
CAS NUMBER: 9004-70-0
EC NUMBER: Not assigned.
PERCENTAGE: 80-100

COMPONENT: CELLULOSE ACETATE CAS NUMBER: 9004-35-7 EC NUMBER: Not assigned. PERCENTAGE: 0-20

SECTION 3 HAZARDS IDENTIFICATION

NFPA RATINGS (SCALE 0-4)
HEALTH = 1
FIRE = 3
REACTIVITY = 0

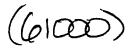
EMERGENCY OVERVIEW:

COLOR: white PHYSICAL FORM: solid MAJOR HEALTH HAZARDS: No significant target effects reported. PHYSICAL HAZARDS: Flammable solid.

POTENTIAL HEALTH EFFECTS:

INHALATION:

SHORT TERM EXPOSURE: no information on significant adverse effects LONG TERM EXPOSURE: no information on significant adverse effects



SKIN CONTACT:

SHORT TERM EXPOSURE: no information on significant adverse effects

LONG TERM EXPOSURE: no information on significant adverse effects

EYE CONTACT:

SHORT TERM EXPOSURE: no information on significant adverse effects

LONG TERM EXPOSURE: no information on significant adverse effects

INGESTION:

SHORT TERM EXPOSURE: no information on significant adverse effects LONG TERM EXPOSURE: no information is

available

CARCINOGEN STATUS:

OSHA: N

NTP: N

IARC: N

SECTION 4 FIRST AID MEASURES

INHALATION: It is unlikely that emergency treatment will be required. Remove from exposure. Get medical attention, if needed.

SKIN CONTACT: It is unlikely that emergency treatment will be required. If adverse effects occur, wash with soap or mild detergent and large amounts of water. Get medical attention, if needed.

EYE CONTACT: It is unlikely that emergency treatment will be required. Wash with large amounts of water or normal saline until no evidence of chemical remains (at least 15-20 minutes). Get medical attention immediately.

INGESTION: It is unlikely that emergency treatment will be required. Get medical attention, if needed.

SECTION 5 FIRE FIGHTING MEASURES

FIRE AND EXPLOSION HAZARDS: Severe fire hazard. EXTINGUISHING MEDIA: regular dry chemical, sand, earth, regular foam, water

FIRE FIGHTING: Move container from fire area if it can be done without risk. Cool containers with water spray until well after the fire is out. Avoid inhalation of material or combustion by-products.

SECTION 6 ACCIDENTAL RELEASE MEASURES

OCCUPATIONAL RELEASE: Avoid heat, flames, sparks and other sources of ignition. Collect material into suitable, loosely covered container for disposal. Remove sources of ignition.

SECTION 7 HANDLING AND STORAGE

Store and handle in accordance with all current regulations and standards. See original container for storage recommendations. Keep separated from incompatible substances.



SECTION 8 EXPOSURE CONTROLS, PERSONAL **PROTECTION**

EXPOSURE LIMITS:

NITROCELLULOSE MEMBRANE FILTERS:

No occupational exposure limits established

VENTILATION: Provide local exhaust ventilation system.

EYE PROTECTION: Eye protection not required under

normal conditions.

CLOTHING: Protective clothing is not required under normal conditions.

GLOVES: Protective gloves are not required under normal conditions.

RESPIRATOR: No respirator is required under normal conditions of use.

SECTION 9 PHYSICAL AND CHEMICAL

PROPERTIES

PHYSICAL STATE: solid

COLOR: white

ODOR: Not available

BOILING POINT: Not applicable

MELTING POINT: Not available

VAPOR PRESSURE: Not applicable

VAPOR DENSITY: Not applicable

SPECIFIC GRAVITY: Not available

WATER SOLUBILITY: Not available

pH: Not applicable

VOLATILITY: Not applicable

ODOR THRESHOLD: Not available

EVAPORATION RATE: Not applicable

COEFFICIENT OF WATER/OIL DISTRIBUTION:

Not available

SECTION 10 STABILITY AND REACTIVITY

REACTIVITY: Stable at normal temperatures and pressure.

CONDITIONS TO AVOID; Avoid heat, flames, sparks and other sources of ignition.

INCOMPATIBILITIES: coordizing materials

HAZARDOUS DECOMPOSITION:

Thermal decomposition products: oxides of carbon.

oxides of nitrogen

POLYMERIZATION: Will not polymerize.

SECTION 11 TOXICOLOGICAL INFORMATION

PYROXYLIN:

TOXICITY DATA:

>5 gm/kg oral-rat LD50

ACUTE TOXICITY LEVEL: Insufficient Data.

CELLULOSE ACETATE:

TOXICITY DATA:

>3.2 gm/kg oral-rat LD50 (Van Waters & Rogers) ACUTE TOXICITY LEVEL: Insufficient Data.

SECTION 12 ECOLOGICAL INFORMATION Not available

SECTION 13 DISPOSAL CONSIDERATIONS Dispose in accordance with all applicable requiations.

SECTION 14 TRANSPORT INFORMATION

U.S. DOT 49 CFR 172,101.

SHIPPING NAME:

. Nitrocellulose membrane filters

UN NUMBER:

UN3270

HAZARD CLASS:

4.1

PACKING GROUP:

LABEL:

FLAMMABLE SOLID

SECTION 15 REGULATORY INFORMATION

U.S. REGULATIONS:

TSCA INVENTORY STATUS

All components on

TSCA Inventory

TSCA 12(b) EXPORT

Not listed.

NOTIFICATION:

CERCLA SECTION 103

Not listed.

(40CFR302.4):

Not listed.

SARA SECTION 302 (40CFR355.30):

SARA SECTION 304

-Not listed. (40CFR355.40):

SARA SECTION 313

Not listed.

(40CFR372.65):

SARA HAZARD CATEGORIES, SARA SECTIONS

311/312 (40CFR370.21):

ACUTE:

NO

CHRONIC FIRE:

NO YES

REACTIVE SUDDEN RELEASE NO

OSHA PROCESS SAFETY (29CFR1910,119); N

STATE REGULATIONS:

California Proposition 65: N

EUROPEAN REGULATIONS:

EC NUMBER: Not assigned.

SECTION 16 OTHER INFORMATION

COPYRIGHT 1984-1997 MDL INFORMATION SYSTEMS, INC. ALL RIGHTS RESERVED. THE ABOVE INFORMATION IS BELIEVED TO BE THE ABOVE INFORMATION IS BELIEVED TO BE CURRENT AND ACCURATE; HOWEVER, MILLIPORE MAKES NO WARRANTY WITH RESPECT TO SUCH INFORMATION, AND ASSUMES NO LIABILITY FOR ANY LOSS OR INJURY WHICH MAY RESULT FROM THE USE OF THIS INFORMATION. USERS SHOULD CONDUCT THEIR OWN INVESTIGATIONS TO DETERMINE THE SUITABILITY OF THE INFORMATION.

Zefon SAMPLING INSTRUCTIONS

) Make sure the sampling pump is off and motor has stopped.

Remove the red plug & connect the outlet end to the pump hose. If the sampling pump is operating when connecting the air cassette to the hose excess internal vacuum pressure can be created which leads to filter collapse.

Use a slow constant twisting motion to disconnect the inlet cap from the cassette. When taking off the bottom of the air monitoring cassette do not pop or pull out abruptly. Popping off the bottom can lead to excess vacuum pressure inside the cassette which can lead to filter collapse.

) Turn on the sampling pump.

ITORAGE

Temperature: 50-85 degrees Humidity: 25%-80%

:AUTION:

Failure to follow these instructions could result in splitting, tearing or collapsing of the cassette filter which could lead to a inadequate sample and possible re-sampling.

You Have Any Questions Please Call Our Toll Free Number 800-282-0073.

lal instriront.PM6.5 1-99

Zefon STORAGE INSTRUCTIONS

At Zefon we strive to produce a problem free product and are glad you have chosen our air monitoring cassettes. To insure the proper functioning of the cassettes please take a number of the cassettes or any of our products please call our toll free watts line at 800-282-

STORAGE:

- 1) Cassettes should not be stored in hot conditions. It is recommended that they be stored in an air conditioned place. Temperature should be between 50-85 degrees.
- 2) Cassettes should not be stored in excess humidity. A humidity level of 25%-80% is recommended.
- 3) Rotate inventory using the oldest cassettes first. <u>Cassettes 1 year or older from date of purchase are not recommended for use due to possible filter degradation.</u>
- Avoid opening the end of cassettes when not taking a sample. If the bottom of an air cassette is left open for any length of time discard the cassette.

CAUTION:

Failure to follow the recommended storage and sampling instructions could result in unsatisfactory performance of cassettes which could lead to re-sampling.

SEE REVERSE SIDE FOR SAMPLING INSTRUCTIONS

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Marufacturers	Name of the last o		Emergency		···	
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Address	OCCUPATION IN		Other			
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ORTANT not leave any blank spaces. If required information is unavailable, unknown, or does not apply, so indicate.



The traditional single-use glovebag for repair and maintenance that revolutionized the industry with Grayling's labor saving features. Smart design details such as quick attach collars, HEPA/water entry ports, fiberguard glovesleeves and arm openings placed so the weight of debris does not rest on the worker make these bags the number one choice of abatement professionals.

4460- The basic Avail glovebag perfect for small-scale, short duration jobs or simple repair and maintenance tasks. This economy model enjoys all the features of the Avail line except the entry ports. Each chamber measures 44" x 60" which encloses pipe insulation diameters up to 8", and can safely contain a 2.7' horizontal work area. One arm set per chamber, stocked in 6 mil and available in 10 mil special order.

5460- The Avail glovebag that raised the industry standard for efficiency and ease of use. This full featured "contractor's bag" measures 54" x 60" which encloses pipe diameters up to 10", and can safely contain a 3.5' horizontal work area. One arm set per chamber, stocked in 6 mil and available in 10 mil special order.





6072- When you encounter larger pipes require glovebags with expanded work areas, the Avail 6072 is your answer. The chamber measures 60" x 72" which encloses pipe insulation diameters up to 14", and can safely contain a 3.5' horizontal work area. One arm set per chamber, stocked in 6 mil and available in 10 mil special order.

6684-2- This glovebag eliminates awkward bag twisting to reach difficult areas with two arm sets per chamber that allow work from either side of the pipe. Encloses pipe insulation diameters up to 18", and can safely contain a 3.5' horizontal work area. Stocked in 6 mil and available in 10 mil special order.

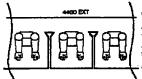




72120-2- This super sized model is even for larger pipes, valves or other unique situations where smaller, standard bags just don't fit the task. Two arm sets per chamber allow unencumbered work all around the pipe. Encloses pipe insulation diameters up to 30", and can safely contain a 3.5' horizontal work area. Stocked in 6 mil and available in 10 mil special order.

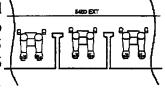


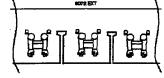
The revolutionary way to tackle extended-run sections of pipe insulation. Dramatically increase productivity and safety by eliminating multiple bag set-up time and reducing jobsite fiber counts. Use in sections of 2 to 25 chambers at a time. Dispenses quickly and easily while protecting unused bags from contamination in Grayling's bag-on-a-roll zip-strip package.



4460 Ext- The basic Extended-Run glovebag. This economy model has all the features of the Avail line except the entry ports. Enclose pipe diameters up to 8" in runs of 6' to 91' of horizontal pipe. Each of the 25 chambers measures 44" x 60" allowing you to cut of as many or as few as you need. One arm set per chamber, stocked in 6 mil, available in 10 mil special order.

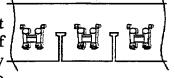
5460 Ext -The glovebag that set the industry standard for efficiency and safety. This contractor's favorite encloses pipe insulation diameters up to 10", and can safely contain 8' to 112' of horizontal pipe. Each of the 25 chambers measures 54" x 60" with one arm set per chamber, stocked in 6 mil, available in 10 mil special order.





6072 Ext- The workhorse for extended-runs of large diameter pipe. Encloses pipe diameters up to 14", and can safely contain anywhere from 8' to 100' of horizontal pipe. Each of the 20 chambers measure 60" x 72", allowing you to cut off as few or as many as you need. One arm set per chamber, stocked in 6 mil and available in 10 mil special order.

6684-2 Ext- This model eliminates awkward bag twisting to reach difficult areas with two arm sets per chamber that allow work from either side of the pipe. Encloses pipe insulation diameters up to 18", and can safely-contain from 9' to 82' of horizontal pipe. Each of the 15 chambers measure



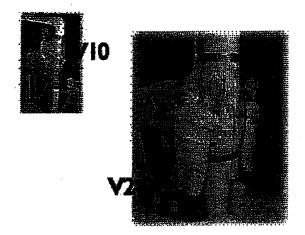
66" x 84", allowing you to cut off as many as you need. Stocked in 6 mil and available in 10 mil special order.



Avail vertical models solve worker productivity problems by offering features which assist in the removal process. Debris weight and bulk is channeled away from the work area by the offset debris chamber. Awkward twisting and turning of the bag is eliminated due to the work area separation from the debris area. Installation is quick and simple with fitted collars and pre-cut bag opening. It is the right product for the job.

V10- The Avail glovebag that set the industry standard for work on vertical pipe. Encloses pipe insulation diameters up to 10", and can safely contain a 3.5' vertical work area. One arm set per chamber, stocked in 6 mil and available in 10 mil special order.

V24- Perfect for larger diameter vertical pipes that need two workers to reach around the insulation. Two arm sets per chamber eliminate awkward bag twisting to reach difficult areas. Encloses pipe insulation diameters up to 24", and can safely contain a 3.5' vertical work area. Stocked in 6 mil and available in 10 mil.



HANDI-FOAM® EXPANDING ONE-COMPONENT FOAM SEALANT A16150

Issue Date: 5/94 Last Rev: 05/00-5 Prepared By: T. Eberling

MATERIAL

SAFETY

DATA

SHEET

1. IDENTIFICATION

Chemical Product

HANDI-FOAM® EXPANDING One-Component Foam Sealant

Manufacturer

FOMO PRODUCTS, INC. P. O. Box 1078
Norton, Ohio 44203

Emergency Overview

Product Information: 1-800-321-5585. In Ohio and outside the United States call (330) 753-4585

Transportation Emergency: CHEMTREC 1-800-424-9300. HANDI-FOAM® EXPANDING One-Component

Foam Sealant is registered by the manufacturer, FOMO PRODUCTS, INC. International Transportation Emergency: CHEMTREC (703) 527-3887

Product is a liquid urethane prepolymer mixture that is packaged under pressure (Non-Flammable Compressed Gas). Containers should not be heated above 120°F (49°C) to avoid excessive pressure build-up.

2. COMPOSITION (Hazardous Components)

				·
nical Name (common names)	CAS Number	Percentage	<u>LD</u> 50	<u>LC</u> 50
torocarbon (Non-Flammable Compressed Gas, HCFC	Not Available This Section	10 to 30 percent	N/A	N/A
4,4' - Diphenylmethane Diisocyanate (MDI)	101-68-8	7 to 13 percent	N/A	N/A
Higher Oligomers of MDI (Polymeric MDI)	9016-87-9	7 to 13 percent	N/A	N/A

(NOTE: See Section 8 of this MSDS for Exposure Guidelines)

3. HAZARDS IDENTIFICATION

Physical Hazards

Since the containers are pressurized, storage temperature should not exceed 120°F (49°C) in order to avoid excessive pressure build-up and possible container rupture. Also, the foam has strong adhesive-like characteristics and will adhere to skin and other surfaces. If accidental foam contact occurs, follow the appropriate first-aid procedure described in Section 4 of this MSDS.

Entry Route: Effects of Overexposure

Inhalation: May irritate mucous membranes with tightness in chest, coughing, or allergic asthma-like sensitivity. Extensive overexposure can lead to respiratory symptoms like bronchitis and pulmonary edema. These effects are usually reversible.

eased risk in severe exposure.

m: May cause localized irritation, reddening or swelling. Prolonged or repeated exposure may lead to sensitization and/or dermatitis.

Eyes: May be irritating to eyes. Foam contact can cause physical damage due to adhesive character.

Ingestion:

May cause irritation of mucous membranes in the mouth and digestive tract.

4. FIRST AID

Inhalation: If breathing difficulty is experienced, move to area free of exposure. Provide fresh air. If necessary, provide oxygen or artificial respiration by trained personnel and obtain medical attention.

Eye Contact: Flush with clean water for at lest 15 minutes and obtain medical attention.

Skin Contact: Use a rag to remove excess foam from skin and remove contaminated clothing. Use of a mild solvent, such as acetone (nail polish remover) or mineral spirits, may help in removing uncured foam residue from clothing or other surfaces (avoid eye contact). Cured foam may be physically removed by persistent washing with soap and water. If irritation develops, use mild skin cream. If it persists, obtain medical attention.

Ingestion: Do not induce vomiting. Drink 1-2 glasses of water or milk. consult physician. Do not give anything orally to an unconscious person.

5. FIRE FIGHTING MEASURES

High temperatures will raise the pressure in the containers, which may lead to rupturing. Extinguishing media include: dry nical, carbon dioxide, halon 1211, chemical foam, or water spray if used in large quantities (water contamination ill duce carbon dioxide). Wear self-contained breathing apparatus to protect against toxic decomposition by-products, cluding CO, CO₂, NO, and traces of HCN or HCL. Cured foam is organic and, therefore, will burn in the presence of difficient heat, oxygen and ignition source.

6. ACCIDENTAL RELEASE MEASURES/DISPOSAL CONSIDERATIONS

Provide adequate ventilation and wear recommended protective clothing (gloves, safety goggles, long sleeve work clothes). Uncured foam is very sticky, so carefully remove the bulk of the foam by scraping it up and then immediately remove residue with a raga and solvent such as HANDI-FOAMCLEANTM, mineral spirits, acetone (nail polish remover), paint thinner, etc. Once the foam has cured, it can only be removed physically by scraping, buffing, etc. Dispose as plastic waste (foam plastic) in accordance with all applicable guidelines and regulations.

Before disposing of containers, relieve container of any remaining foam and pressure. Allow foam to fully cure before disposing.

7. HANDLING AND STORAGE

Store in a cool, dry place. Ideal storage temperature is 60°F to 80°F (15.5°C to 26.6°C). Storage above 90°F (32.2°C) will shorten the shelf life. Protect containers from physical abuse. Protect unused product from freezing.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

all product instructions before using. Personal protective equipment should include safety eye wear, chemical resistant loves, and long sleeve work clothes. Adequate ventilation should also be employed so that vapor levels do not exceed commended guidelines. If vapor levels are expected to exceed these guidelines, use NIOSH/MSHA approved, positive pressure, supplied air respirator. Exercise good personal hygiene, wash thoroughly after each use.

Exposure Guidelines	<u>OSHA</u>	<u>ACGIH</u>
4,4' - Diphenylmethane Diisocyanate (MDI)	.020 ppm ceiling .200 mg/m ³ ceiling	.005 ppm TWA .051 mg/m ³ TWA
Higher Oligomers of MDI	None Established	None Established
Fluorocarbon (Non-Flammable HCFC)	1,000 ppm TWA	1,000 ppm TWA

(None of the components in this product are listed by IARC, NTP, OSHA or ACGIH as a carcinogen).

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical Appearance: Viscous liquid which foams upon release from container as an off-white to yellowish froth.

Odor : Slight fluorocarbon odor during curing stage.

Specific Gravity : Approximately 1.2 ($H_2O = 1$)

ing Point : Fluorocarbon component (Non-Flammable Gas) boils at less than 0°F (-17.7°C).

Other components boil at temperatures greater than 200°F (93.3°C)

Triash Point : Product flash point has been tested at approximately 800°F (426.6°C)

Vapor Pressure : Contents under pressure have vapor pressure greater than 50 psig (345 Kpa). After

release from container, vapor pressure is very low (not determined).

Solubility in Water : Insoluble, reacts slowly with water during cure; liberating traces of CO₂

Explosion Data : Contents are not known to be sensitive to mechanical impact or static discharge

10. STABILITY AND REACTIVITY

This product is considered stable under normal and anticipated storage and handling conditions. Do not store above 120°F (49°C). For longest shelf-life, avoid storage above 80°F (26.6°C). Avoid alcohols, strong bases or amines and metal compounds (such as small particle metal catalysts).

TRANSPORTATION

hipping Information

Containers Less Than 1000 cu. cm. (1 liter)

i.e. 12, 24, 27 and 33 oz.

Ground

Consumer Commodity ORM-D

Air

Aerosols, Non-Flammable 2.2 UN 1950 (Non-Flammable Gas Label)

Water

Aerosols, Non-Flammable 2.2 UN 1950 (with a capacity of 1000 cu. cm. or less) (No Hazard Labels Required). Boxes or Cartons should be marked (Aerosols UN 1950) only. IMDG page #2102

Exceptions

N/A

Note

Emergency Response Guide Numbers - Consumer Commodity # 171, for Aerosols

12. REGULATORY

Toxic Substances Control Act (TSCA)/Designated Substances List (DSL):

All ingredients are listed on the TSCA inventory, as well as the Canadian Designated Substances List.

SARA Title III:

Contains Diphenylmethane Diisocyanate (CAS #101-68-8) and Fluorocarbon (HCFC) containing Chlorodifluoromethane (CAS #75-45-6), subject to the reporting requirements of SARA Title III.

Prosition 65

d on information currently available, this product is not known to contain detectable amounts of any chemicals currently sted under California Proposition 65.

13. OTHER

NFPA:

Fire 1; Health 2; Reactivity 1

HMIS:

Flammability 1; Health 1; Reactivity 1

The information and recommendations set forth herein are presented in good faith and believed to be correct as of the date hereof. The manufacturer makes no representations as to the completeness or accuracy thereof. Information is supplied upon the condition that the persons receiving it will make their own determination as to its suitability for their purposes prior to use. In no event will the manufacturer be responsible for damages of any nature whatsoever resulting from the use of or reliance upon information. No representations or warranties, either expressed or implied, of merchantability or fitness for a particular use are made hereunder with respect to this information or the product to which information refers.

Information contained herein is deemed to be reliable, conservative and accurate. FOMO Products, Inc. reserves the right to change the design, specifications or any other features at any time and without notice, while otherwise maintaining regulatory compliance.

LAST REVISION

05/00-5

APPROVED BY

T. EBERLING

A16150



POLYETHYLENE (LOW DENSITY)



etion:

NO FIRST AID MEASURES SHOULD BE NECESSARY

Westlake Polymers Corporation

WESTLAKE POLYMERS CORPORATION WESTLAKE CENTER 2801 POST OAK BOULEVARD HOUSTON, TX 77056 (712) 960-9111

	PRODUCT IDENTIFICATION		
Suppliers: WESTLAKE POLYMERS CORP.	Emergency Tolephone:		
Use or Description: FILM EXTRUSION, N	Use or Description: FILM EXTRUSION, MOLDING, COATING, LAMINATING		
CON	IPONENTS AND EXPOSURE L	MITS	
Component: POLYETHYLENE (CAS 8002-88-4)	% Volume: 100%	Exposure Limits: 15.0 mg/m OSHA NUISANCE DUST	
	TYPICAL PROPERTIES		
Appearance: TRANSLUCENT PELLETS	Bolling Point: NA	Solubility in Water: NEGLIGIBLE	
PH: NA	Odor: MILD	Vapor Pressure: NA	
%Volatility by Weight: 0.1 MAX	Specific Gravity: 0,91-1,05	Vapor Denaity: NA	
Evaporation Rate: NA	Melting Point: F(C) 230(110)	Molecular Weight: AVERAGE 125,000	
	IRE AND EXPLOSION HAZARI	DS .	
Auto Ignition Temperature: NA PA Hazerd: 0-1-0-NA	Flesh Point: NONE HMIS Reting: 0-1-0	Flammable Limits in Air: NA	
estinguishing Media: CARBON DIOXIDE.	FOAM, DRY CHEMICAL, AND WATER FOG		
Special Fire Fighting Procedures: DO NO	OT ENTER ENCLOSED SPACE WITHOUT USING SELF	CONTAINED BREATHING APPARATUS	
-11	DLYETHYLENE PELLETS MAY RESULT IN THE ACCUMULATI L; CONCENTRATION OF ETHYLENE GAS MUST BE KEPT B		
	HEALTH HAZARDS		
EKIN: PRODUCTAS IS SHOULD N	ON OR REDNESS; FUMES FROM MOLTEN PRODUCT MAY CAUSE FOT CAUSE IRRITATION OR DERMATITIS; MOLTEN PRODUCT MAY FUMES FROM MOLTEN PRODUCT MAY CAUSE IRRITATION TO THE ADVERSE REACTION IF INGESTED	CAUSE THERMAL BURNS	
Chronic Health Ellecte: NONE ARE KNOWN	Medical Conditions Aggrevated by Exposure: NONE ARE KNOWN	Primary Routes INHALATION, of Entry: INGESTION	
	ny and Health Administration: NOT USTED Program: NOT USTED By for Research on Cancer; NOT LISTED		
Taxicological Data: NON-TOXIC BASED C	N STUDIES OF SIMILAR PRODUCTS AND THEIR COM	PONENTS	
,	FIRST AID PROCEDURES		
Eyes: FLUSH WITH PLENTY OF WATER: IF	IRRITATION CONTINUES; GET MEDICAL ATTENTION		
Skin: WASH SKIN WITH SOAP AND WATER ATTENTION	R; FOR THERMAL BURNS, COOL MOLTEN MATERIALS	WITH WATER AND GET MEDICAL	
IF OVERCOME BY DUST OR FU	MES, REMOVE TO FRESH AIR: IF BREATHING IS DIFF	TCULT, GIVE OXYGEN AND GET MEDICAL AND GET MEDICAL ATTENTION	

PERSONAL PROTECTION WEAR DUST MASK IF DUST LEVELS EXCEED 15,0 mg/m2 Respirator: PROTECTIVE GLOVES AND LONG SLEEVES WHEN HANDLING MOLTEN MATERIAL SAFETY CLASSES SHOULD BE WORN AT ALL TIMES; SAFETY GOGGLES SHOULD BE WORN WHEN HANDLING MOLTEN MATERIAL LOCAL VENTILATION IS RECOMMENDED TO REDUCE DUST AND FUMES WHEN HANDLING MOLTEN MATERIAL Ventilation: REACTIVITY DATA INCOMPLETE COMBUSTION MAY PRODUCE CARBON DIOXIDE, CARBON MONOXIDE, and Hazardous Thermal Decomposition Products: ALDEHYDES MATERIAL IS STABLE Stability: THIS MATERIAL IS INCOMPATIBLE WITH STRONG OXIDIZERS (noompetible Materials: NONE ARE KNOWN Hiszardous Materials: WILL NOT OCCUR Hazardous Polymerization: SPILL LEAK AND DISPOSAL PROCEDURES Spill and Loak Procedures: SWEEP OR SHOVEL UP AND HOLD FOR DISPOSAL Weste Management Procedures: PRODUCT IS NON-HAZARDOUS IN ITS NEAT FORM THIS MATERIAL IS NOT EXPECTED TO PRESENT ANY ENVIRONMENTAL PROBLEMS Environmental Impact: ADDITIONAL PRECAUTIONS STORE IN A VENTILATED AREA AWAY FROM SOURCES OF IGNITION; DO NOT STORE WITH INCOMPATIBLE MATERIALS Storage: STATIC GROUNDING RECOMMENDED PRIOR TO TRANSFER OF PRODUCT Transfer: REGULATORY DATA CONFG: Occupational Selety and Health Administration: **NUISANCE DUST** NOT REGULATED NOT REGULATED Clean Air Act: NOT REGULATED Resource Conservation Recovery Act: Superfund Amendents Resuthorization Act: NOT REGULATED

USER RESPONSIBILITY

This beliefs cannot cover all possible atwations which the user may experience during precessing. Each aspect of the user's operation should be extended to determined to determine it, or where, additional pressurions may be necessary. All health and eatery contrined in this buildin should be provided to employee additional customers. Wastiske Polymers Corporation must rely on the user to use this information to develop appropriate work practice guidelines and employee indirectional programs specific to the user's operations.

NOT REGULATED

NOT REGULATED

Proposition 65:

Department of Transportation:

As the conditions and mathede of use ane beyond our custon, we do not assume any responsibility and expressly discisin any liability for any use of this material, information contained herein is believed to be it was and accurate, but all statements or suggestions are made with the use of the material or the standard with the use of the material or the standard from the use thereof, Compliance with all applicable federal, stole, and local laws and regulations requesting the uses, storage, sale, transport or disposal of this material is the responsibility of the uses.

AIR FILTRATION Aeroclean 1800 "Mighty Mite" #9180 Made from aircraft grade aluminum for reduced weight (115 lbs.) Features: MADE IN U.S.A. Air Capacity 1850 C.F.M. High Speed

- Air Capacity 1200 C.F.M. Low Speed
- Motor: 1.0 H.P. (two speed switch)
- 33" Length x 18" Width x 26" Height
- Slide Down Door for E-Z accessibility
- Four (4) Casters for E-Z mobility
- Four (4) Handles
- 12" Exhaust
- Filters: 1st Stage 24" x 16" Pre-Filter

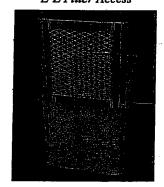
2nd Stage - 24" x 16" x 1" Ring Panel

3rd Stage - 24" x 16" x 11 %" H.E.P.A. Filter

Charcoal Filters Available for all Aerospace Units

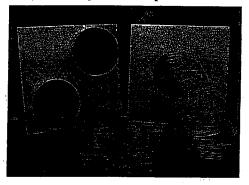
Slide Down Door

E-Z Filter Access

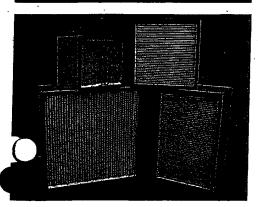


Intake Manifolds

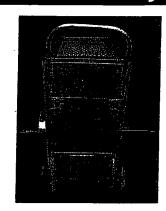
Available for all Aerospace Units



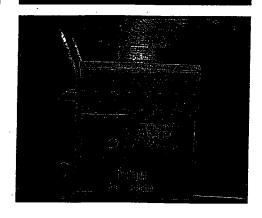




MS2000 Dolly



MS2000 Intake Manifold



AEROSPACE AMERICA, INC.



SPECIALIZING IN AIR FILTRATION & LIGHT METAL FABRICATIONS

900 Truman Parkway P. O. Box 189 Bay City, MI 48707 517-684-2121 FAX: 517-684-4173

AEROCLEAN NEGATIVE AIR MACHINES

FIRST STAGE FILTERS:

Removes large particles up to 10 microns and larger. The first stage filter should be changed 2-3 times per day. Proper disposal of asbestos and/or lead contaminated filters is required.

SECOND STAGE FILTERS:

Removes particles up to 1 micron and larger from the air, thereby protecting the more expensive H.E.P.A. filter. The second stage filter should be changed daily or more if deemed necessary.

H.E.P.A. FILTER:

The H.E.P.A. filters the smaller size asbestos fibers from the air flowing through the unit and has an efficiency rating for 99.97% in removing 0.3 particles. Aerospace suggests changing this filter every 400 hours.

MOTOR/FAN ASSEMBLY:

Aerospace units are equipped with a 1.0 H.P. Motor. The motor powers a centrifugal style fan which is rated at 2000 c.f.m. This assembly pulls contaminated air through clean filters at the static pressure of 1.7 to 2.0 inches of water column.

IMPORTANT THINGS TO REMEMBER:

- 1. All electrical equipment on the job should be grounded.
- 2. Do not run electrical cords across floors, and keep them away from water at all times.
- 3. Do not exceed 100 ft in length for extension cords for the units.
- 4 Disposal of contaminated filters must be done per federal & state guidelines.



AMERICAN AIR FILTER PO BOX 35690 LOUISVILLE KY 40232-5690

AIR FILTRATION PRODUCTS

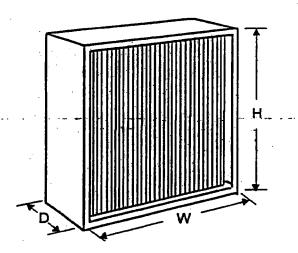
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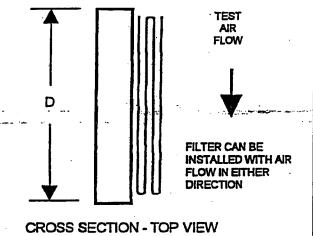
AFP-104

FEB/00

AstroCel I **CELEBRITY SERIES**

AAR CONTROL NO	P:G: n/a
DATE: June 6, 2002	BY M. Meyer
CUSTOMER Bullseye Environmental	ECCATION
CONTACT NAME: Diane	REFERENCE





•
SIZE: AS SHOWN ON DRAWINGS OR LISTED BELC
MEDIA - WATER REPELLANT GLASS MICROFIBER: ☑ 99.97% ☐ SPECIAL -
CELL SIDE MATERIAL: PARTICLE BOARD SPECIAL
SEPARATORS: ALUMINUM SPECIAL
BOND MATERIAL: ☑ FR POLYURETHANE FOAM ☐ SPECIAL
GASKET MATERIAL: (3/4" x 1/4") ☑ NEOPRENE RE43E1 ☐ SPECIAL
GASKET LOCATION: ☑ ONE SIDE ☐ SPECIAL
RATED EFFICIENCY: Special
FACEGUARD (FG) / UL 586 LABEL: NO FG OR UL LABEL SPECIAL

	WTITY	PART NUMBER 560-480-001	AVG. SCFM @ 1.0" W.G.	H	W 24	D 11.5	NOTES
<u>_</u>	n/a	300-400-001	1000		27	11,	



10300 ORMSBY PARK PL STE 800 LOUISVILLE KY 40223-6169 P O 80X 35690 LOUISVILLE KY 40232-5690 502.637.0011 TYPE MAINTIL, COM

August 18, 2003

Mr. Gene Brunetta
Director of Purchasing
BULLSEYE
7900 North Radcliffe Street
Building 101 A
Tullytown, PA 19007

Dear Gene:

As we discussed earlier today, the Clean Air Act requires that all HEPA filters used in asbestos abatement be 99.97% certified HEPA filtration. We at American Air Filter care about our customers, and the requirements governing the industry so we test each and every Astrocel-Celebrity HEPA filter that leaves our factory to make certain they meet the 99.97% requirement.

Our Guaranteed Performance statement reads: Every AstroCel filter is individually tested before it leaves the factory-your assurance that it meets rated efficiency. The penetration and actual resistance at test airflow rate are indicated on the label. Each filter is also assigned a serial number and a permanent record is kept of the materials of construction and performance.

Please do not hesitate to contact me if you have additional questions or concerns. Thank you for your continued business. We at American Air Filter value our relationship with you.

Sincerely,

American Air Filter

Kathie Wolsh

Kathie Walsh High Purity Group

Sales Representative

David Shaw Vice President



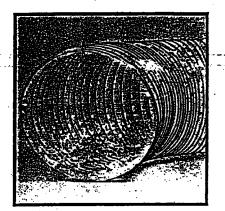
TLEA DUCI FOR AIR MOVEMENT APPLICATIONS

High Quality Economically Priced flexible tubing for use in low to medium pressure air flow applications

C SERIES DUCT - ECONOMY CLEAR

Outer Layer Regular Duty Clear Polyester (.5 mil) Inner Layer Regular Duty Clear Polyester (.5 mil) Spring Wire Reinforced (.050 ga)

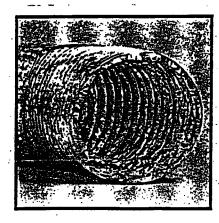
		PIECES/	WEIGHT/
MODEL	SIZE	CARTON	CARTON
C525	5"X 25'	10	21#
₩ €825	8"X 25'	8	37#
C1025	10"X 25'	6	38#
¥ C1225	12"X 25'	4	30#
C12100-	-12"X 100'	1	32#
C1425	14"X 25'	4	34#
C1625	16"X 25'	2	21#
		·	



C-HD SERIES DUCT - HEAVY DUTY CLEAR

Outer Layer Heavy Duty Clear Polyester (1.0 mil) Inner Layer Heavy Duty Clear Polyester (1.0 mil) Spring Wire Reinforced (.050 ga)

	•	PIECES/	WEIGHT/
MODEL	SIZE	<u>CARTON</u>	<u>CARTON</u>
C1025HD	10"X 25'	5	31#
C1225HD	12"X 25'	4	33#
C1425HD	14"X 25'	4	37#
C1825HD	18"X 25'	1	11#



A SERIES DUCT - EXTRA DUTY METALIZED

Outer Layer Extra Duty Metalized Polyester (.5 mil) Inner Layer Heavy Duty Clear Polyester (1.0 mil) Spring Wire Reinforced (.050 ga)

		PIECES/	WEIGH1/
MODEL	SIZE	CARTON	CARTON
A825	8"X 25'	6	34#
A1025	10"X 25'	5	35#
A1225	12"X 25'	4	32#
A1425	14"X 25'	4	37#

DISTRIBUTED BY:

SPECIFICATIONS:

Pressure: Posi

Positive - 6" W.C.

Negative - 2" W.C.

Velocity: 4000 fpm Temperature: 0° - 225°

Material Safety Data Sheet



C & C-HD Series Flexible Duct

Flex Source, Inc P.O. Box 15122 Pittsburgh, PA 15237-0122

August 8, 2002

PRODUCT IDENTIFICATION

Manufacturer's Name: C Series & C-HD Series

Product Name: Flexible Air Duct

INGREDIENTS

	<u>Percentage</u>	Threshold Limit Value
Acrylic Polymer	10%	Not Established
Polyester Film	22%	Not Established
Alloy Steel Wire	68%	5 mg/m ³
		for iron avide fumo

PYYSICAL DATA

Melting Range: Polyester - 255-260° C

Steel Wire - 2750° C

Specific Gravity: (water=1): 1.4

Decomposition Temperature: 300° C

Appearance and Odor:

Clear film & Steel Wire, odorless

Low levels of acetaldehyde are present in the film which could be released on heating at elevated

temperatures for long time periods.

HAZARDOUS INGREDIENTS

None as defined under the OSHA hazard communication standard, 29CFR 1910.1200 or SARA Title III, section 313. This material is considered an article under OSHA and TSCA standards.

HEALTH HAZARD DATA

No adverse effects have been attributed to flexible duct.

Permissible exposure limits for acetaldehyde;

OSHA Standard: 100 ppm

Effects of Exposure:

Ingestion (swallowing): Non-toxic

Skin contact: Non-irritating

inhalation: N/A

FIRE AND EXPLOSION HAZARD DATA

Flammability: The film will burn if exposed to flame.

Extingulahing Media: Carbon dioxide, water spray, foam or dry chemical.

Special Fire fighting Procedures: Wear self-contained breathing apparatus and complete personal protective equipment when potential for exposure to products of combustion exists.

Unusual Hazards: Emits acetaldehyde, carbon dioxide and carbon monoxide under fire conditions. The exact composition of decomposition products will depend on the conditions of combustion.

REACTIVITY DATA

Chemical Stability: Stable

Hazardous Decomposition Products: At 300° C and above, the main decomposition products are acetaldehyde, carbon dioxide and carbon monoxide.

SPILL OR LEAK PROCEDURES

Waste Disposal Method: C & C-HD Series flexible duct is a non-hazardous solid waste material and is not regulated by the Resource Conservation Recovery Act. Dispose of in accordance with local regulations.

SPECIAL PROTECTION INFORMATION

Protective Clothing: None required under normal conditions of use.

If the duct could be subjected to conditions releasing acetaldehyde, then adequate ventilation should be used to stay below the TLV, or self-contained breathing apparatus should be used.

SPECIAL PRECAUTIONS

Precautions to Be Taken in Handling: Passage of ducting over certain materials or air movement through the duct may generate a electrostatic charge on the duct. Static discharge devices should be properly positioned at such points to eliminate the charge and to prevent uncontrolled discharge from the duct. This is particularly required in potentially explosive atmospheres and to protect personnel from the effects of a static discharge.



D35100

ID# 4244

ID# 4366

DATE: 8/97

MATERIAL SAFETY DATA SHEET

From: LINDA LEVITT

PRODUCT IDENTIFICATION

PRODUCT/TRADE NAME:

BZK ANTISEPTIC TOWELETTE

MANUFACTURER'S NAME:

ADDRESS:

PDI - PROFESSIONAL DISPOSABLES, INC.

THE HEALTHCARE DIVISION OF

NICE-PAK PRODUCTS, INC.

2 NICE-PAK PARK

ORANGEBURG NY 10962-1376

HAZARD RATING (NFPA)

HEALTH:

FLAMMABILITY:

REACTIVITY: 0

SPECIFIC:

NONE

n

0

EMBRGENCY OR INFORMATION TELEPHONE NO:

914-365-1700 (M-F DAYTIME) AT OTHER TIMES, CONTACT

THE LOCAL POISON CONTROL CENTER

CHEMICAL NAME: MIXTURE

II HAZARDOUS INGREDIENTS

PER 29 CFR 1910.1200

Hazardous Ingredients

ACGIH TLV

CAS NUMBER

NONE. NO COMPONENTS OVER 1% OF FORMULATION

III-PHYSICAL/CHEMICAL CHARACTERISTICS

COLOR/ODOR/APPEARANCE: APPLICATOR SATURATED WITH CLEAR LIQUID.

BOILING POINT:

N/A

FLASH POINT:

N/A

VAPOR DENSITY

N/A

EVAPORATION RATE: N/A

SOLUBILITY IN WATER: COMPLETE

SPECIFIC GRAVITY (H2O = 1): 1.0

IV FIRE & EXPLOSION HAZARD DATA

FLASH POINT(Method Used):

N/A

: LEL: N/A

UEL: N/A

EXTINGUISHING MEDIA:

ANY

SPECIAL FIRE FIGHTING PROCEDURES:

NONE

UNUSUAL FIRE AND EXPLOSION HAZARDS: NONE

V-REACTIVITY DATA

STABILITY: STABLE

CONDITIONS TO AVOID N/A

INCOMPATIBILITY: ANIONIC SURFACTANTS/SOAPS

08/20/98 THU 13:56 [TX/RX NO 8587] 2001



BZK TOWELETTE

VI-HEALTH HAZARD DATA

EFFECTS OF OVER EXPOSURE:

SKIN NONE

EYES: MAY CAUSE DISCOMFORT

INHALATION: NONE NONE INGESTION

EMBRGENCY AND FIRST AID PROCEDURES:

SKIN CONTACT:

DISCONTINUE USE IF RASH OR IRRITATION OCCURS

EYE CONTACT:

FLUSH WITH COLD WATER IF SPLASHED IN EYES

INHALATION:

NONE

INGESTION:

NONE

TARGET ORGANS;

NONE

VII-SPILL AND DISPOSAL PROCEDURE

SPILL CONTROL:

RINSE INTO SEWER SYSTEM

WASTE DISPOSAL METHOD: FOLLOW LOCAL STATE AND FEDERAL REGULATIONS.

From:LINDA LEVITT

HANDLING AND STORAGE:

NONE

VIII-CONTROL MEASURES/PROTECTION



RESPIRATION: NONE.

VENTILATION: NONE.

PROTECTIVE GLOVES: NONE

EYE PROTECTION: IF SPLASH POTENTIAL EXISTS

HYGIENIC PRACTICES: GOOD HOUSEKEEPING PRACTICES SHOULD BE FOLLOWED.

OTHER:NONE

IX TRANSPORT/SHIPPING

DOT SHIPPING NAME:

TECHNICAL SHIPPING NAME:

DOT SHIPPING CLASSIFICATION:

DOT Not Regulated

DOT ID NO .:

DOT; LABEL; REQUIREMENTS:

UN/NA NUMBER REGULATIONS:

REPORTABLE QUANTITY:

X DISCLAIMER

THE INFORMATION FURNISHED HEREIN IS BELIEVED TO BE ACCURATE AND REPRESENTS THE BEST DATA CURRENTLY AVAILABLE TO US. NO WARRANTY, EXPRESSED OR IMPLIED IS MADE AND NICE-PAK PRODUCTS, INC. ASSUMES NO LEGAL RESPONSIBILITY OR LIABILITY RESULTING FROM ITS USE

1-914-355-2298



ALCOHOL PREP/SWAB

VI-HEALTH HAZARD DATA

EFFECTS OF OVER EXPOSURE:

SKIN IF RASH APPEARS, DISCONTINUE USE EYES: WILL CAUSE EYE STING IF SPLASHED

INHALATION: NONE

INGESTION NOT A NORMAL ROUTE OF ENTRY

EMERGENCY AND FIRST AID PROCEDURES:

SKIN CONTACT: DISCONTINUE USE IF RASH OR IRRITATION OCCURS

EYE CONTACT: FLUSH WITH COLD WATER FOR 15 MINUTES

INHALATION:

REMOVE TO FRESH AIR

INGESTION:

INDUCE VOMITING. CALL PHYSICIAN

TARGET ORGANS:

N/A

VII-SPILL AND DISPOSAL PROCEDURE

SPILL CONTROL:

ELIMINATE ALL SOURCES OF IGNITION

WASTE DISPOSAL METHOD: FLUSH SPILLS WITH WATER. HANDLE AS FLAMMABLE LIQUID. FOLLOW LOCAL,

STATE AND FEDERAL REGULATIONS.

HANDLING AND STORAGE:

STORE AWAY FROM HEAT AND SOURCES OF IGNITION

VIII-CONTROL MEASURES/PROTECTION

RESPIRATION: USE IF PERMISSABLE EXPOSURE LEVEL IS EXCEEDED WHEN HANDLING BULK LIQUID

VENTILATION: RECOMMENDED

PROTECTIVE GLOVES: NONE REQUIRED

EYE PROTECTION: ONLY IF SPLASHING IS EXPECTED

HYGIENIC PRACTICES: GOOD HOUSEKEEPING PRACTICES SHOULD BE FOLLOWED.

OTHER: DON'T ALLOW LARGE QUANTITIES OF WASTE TO ACCUMULATE

IX TRANSPORT/SHIPPING

DOT SHIPPING NAME: CONSUMER COMMODITY

TECHNICAL SHIPPING NAME: N/A

DOT SHIPPING CLASSIFICATION: "ORM-D"

DOT ID NO .: N/A

DOT LABEL REQUIREMENTS: N/A
UN/NA NUMBER REGULATIONS: N/A
REPORTABLE QUANTITY: N/A

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2



Quick Identifier (In Plant Common Name): BULL-TACK

MANUFACTURER INFORMATION

MANUFACTURER'S NAME: BULLSEYE ENVIRONMENTAL CORP.

ADDRESS: P. O. BOX 1626, TULLYTOWN, PA 19007 EMERGENCY TELEPHONE NUMBER: 800-424-9300

OTHER INFORMATION CALLS: 215-547-7700

NAME OF PERSON RESPONSIBLE FOR PREPARATION:

DATE PREPARED: MAY 2001

SECTION 1 - IDENTITY

COMMON NAME (used on label) (Trade Name & Synonyms): BULL-TACK

ADHESIVE #25102

CAS. NUMBER: See Section 2

CHEMICAL NAME: Thermoplastic Rubber in Solution with Hexane and Acetone

CHEMICAL FAMILY: N/A FORMULA: ORB M-5425

SECTION 2 - HAZARDOUS INGREDIENTS

Principal Hazardous Component(s)

CHEMICAL AND COMMON NAME(S)		TLV	VAPOR PRESSURE @ 25 DEG. C	LEL.	UEL	FLASH POINT DEG, F
Acetone Hexane Propane/Isobutane (Propellant)	67-64-1	750ppm	185 mmHg	2.6	12.8	-4(TCC)
	110-54-3	50ppm	140 mmHg	1.2	7.5	<0(TCC)
	68-476-85-7	800ppm	3691 mmHg	2.0	10.0	-138(TCC)

N/A = Not Available and/or Not Applicable

NOTE: Refer to Section 8 for content breakdown and SARA Title III information.

SECTION 3 - PHYSICAL & CHEMICAL CHARACTERISTICS (Fire & Explosion Data)

BOILING POINT (Deg. F): Concentrate Range: 132-159

Propellant: -21.6

SPECIFIC GRAVITY (Water = 1): Concentrate: 0.70

Propellant: 0.54

VAPOR PRESSURE (mmHg): See Section 2

PERCENT VOLATILE BY WEIGHT (%): Approximately 80%

VAPOR DENSITY (Air = 1): >1 EVAPORATION RATE (BA = 1): >1 SOLUBILITY IN WATER: Slight REACTIVITY IN WATER: None

APPEARANCE AND ODOR: CONCENTRATE: Amber liquid with characteristic odor; PROPELLANT: Clear, odorless gas; FINISHED PACKAGE: Pressurized

containers.

FLASH POINT: See Section 2

FLAMMABLE LIMITS IN AIR - % BY VOLUME: See Section 2 EXTINGUISHER MEDIA: Carbon dioxide, foam, dry chemical

AUTO-IGNITION TEMPERATURE: Unknown

SPECIAL FIRE FIGHTING PROCEDURES: Water may be used to cool closed containers to prevent pressure build-up and possible bursting when exposed to high temperatures. Firemen should wear self-contained respiratory protection.

UNUSUAL FIRE AND EXPLOSION HAZARDS: Extremely flammable.

Contents under pressure. Do not store or use near heat or ignition sources. Containers may burst at temperatures above 130 deg. F.

SECTION 4 - PHYSICAL HAZARDS

STABILITY: Stable

CONDITIONS TO AVOID: Avoid any ignition sources. Avoid excessive heat. INCOMPATIBILITY (Materials to Avoid): Nitric plus Acetic Acids, Nitric plus Sulfuric Acid, Amines, Strong Oxidizing Agents.

HAZARDOUS DECOMPOSITION PRODUCTS: Carbon monoxide, carbon dioxide

HAZARDOUS POLYMERIZATION: Will not occur.

CONDITIONS TO AVOID: Not Applicable.

SECTION 5 - HEALTH HAZARDS

THRESHOLD LIMIT VALUE: See Section 2

SIGNS AND SYMPTOMS OF EXPOSURE: EYE CONTACT: May cause moderate eye irritation and moderate corneal injury. Vapors may irritate eyes; SKIN CONTACT: Prolonged contact may cause irritation, defatting of skin; INHALATION:

breathing is difficult, give oxygen. Call a physician. **EYES:** Flush with flowing water immediately and continuously for 15 minutes. Consult medical personnel. **SKIN:** Wash off in flowing water or shower. Remove contaminated clothing and wash before reuse. **INGESTION:** Do not induce vomiting. Call a physician immediately.

SECTION 6 - SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION: NIOSH or Bureau of Mines approved organic vapor-type respirator is required in absence of proper environmental control.

VENTILATION:

LOCAL EXHAUST: To keep below TLV

MECHANICAL (General): To keep below TLV

SPECIAL: None OTHER: None

PROTECTIVE GLOVES: Solvent resistant gloves - impervious gloves

EYE PROTECTION: Safety glasses or goggles

OTHER PROTECTIVE CLOTHING OR EQUIPMENT: None reasonably

foreseeable.

SECTION 7 - SPECIAL PRECAUTIONS AND SPILL/LEAK PROCEDURES

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE: Do not store above 120 deg. F. Avoid breathing vapors. Avoid prolonged or repeated contact with skin.

OTHER PRECAUTIONS: EXTREMELY FLAMMABLE. Do not use or store near open flames, heat, or any sources of ignition. Contents under pressure. Do not puncture or incinerate. Vapors are heavier than air and will collect in low areas. STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: SMALL SPILLS: Remove ignition sources. Mop up, wipe up, or soak up immediately. Use proper protective equipment. LARGE SPILLS: Evacuate area. Remove ignition sources. Contain liquid; transfer to closed containers; keep out of water supplies. WASTE DISPOSAL METHODS: Dispose in accordance with Federal, State, and Local regulations. Do not incinerate closed or empty containers.

SECTION 8 - PERCENTAGE OF HAZARDOUS INGREDIENTS

Principal Hazardous Component(s)

CHEMICAL AND COMMON NAME(S)	CAS#	% BY WT.	SUBJECT TO SE CTION 313 OF SARA TITLE III
Acetone	67-64-1	30 - 50	No
Hexane	110-54-3	30 - 50	Yes
Propane/Isobutane (Propellant)	68-476 -85-7	30 - 50	No

May cause nose and throat irritation. May cause nervous system depression characterized by the following progressive steps: Headache, dizziness, nausea, staggering gait, confusion, unconsciousness. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage; INGESTION: If aspirated (liquid enters the lungs), it may be rapidly absorbed through the lungs and result in injury to other body systems. Gastro-intestinal distress.

IMPORTANT NOTICE: REPEATED AND PROLONGED OVEREXPOSURE TO SOLVENTS MAY LEAD TO PERMANENT BRAIN AND NERVOUS SYSTEM DAMAGE. EYE WATERING, HEADACHES, NAUSEA, DIZZINESS AND LOSS OF COORDINATION ARE SIGNS THAT SOLVENT LEVELS ARE TOO HIGH. INTENTIONAL MISUSE BY DELIBERATELY CONCENTRATING AND INHALING THE CONTENTS MAY BE HARMFUL OR FATAL.

CHRONIC EFFECTS: THIS PRODUCT CONTAINS N-HEXANE. OVEREXPOSURE TO N-HEXANE MAY CAUSE PROGRESSIVE AND POTENTIALLY IRREVERSIBLE DAMAGE TO THE PERIPHERAL NERVOUS SYSTEM, PARTICULARLY IN THE ARMS AND LEGS.

SIMULTANEOUS EXPOSURE TO THE VAPORS OF N-HEXANE AND METHYL ETHYL KETONE (MEK) OR TO N-HEXANE AND METHYL ISOBUTYL KETONE (MIBK) ABOVE THE RECOMMENDED WORKPLACE LIMITS INCREASES THE RISK OF ADVERSE EFFECTS FROM N-HEXANE. EVIDENCE IN LABORATORY ANIMALS AND HUMANS INDICATES THAT IN THE PRESENCE OF MEK OR MIBK, THE NEUROPATHY ASSOCIATED WITH N-HEXANE IS PRODUCED IN A SHORTER PERIOD OF TIME OR AT LOWER EXPOSURE CONCENTRATIONS. THERE IS NO REPORTED HUMAN EVIDENCE THAT THESE NEUROTOXIC EFFECTS OCCUR WHEN EXPOSURE TO THESE CHEMICALS IS MAINTAINED BELOW ESTABLISHED OSHA AND ACGIH LIMITS.

CHEMICAL LISTED AS CARCINOGEN OR POTENTIAL CARCINOGEN:

NATIONAL TOXICOLOGY PROGRAM: No

I.A.R.C. MONOGRAPHS: No

OSHA: No

OSHA PERMISSIBLE EXPOSURE LIMIT: See Section 2
ACGIH THRESHOLD LIMIT VALUE: See Section 2

OTHER EXPOSURE LIMIT USED: None

EMERGENCY AND FIRST AID PROCEDURES

INHALATION: Remove to fresh air. If not breathing, give mouth-to-mouth. If

Abatement Products





Pre-Mixed Lock-Down Penetrating Encapsulant

Benefits

- Lock-down
- Penetrating encapsulant
- Ground sealer
- Non-toxic
- Odorless
- Non-combustible
- Meets or exceeds EPA, OSHA, UL and ASTM requirements

For use in all areas from which asbestos containing materials have been removed and any other contaminated surfaces.

Product Description

A pre-mixed UL classified asbestos encapsulant for lock-down, penetrating and ground sealer applications.

Pre-Mixed Lock-Down (Post Removal) Application

- Use airless spray equipment Binks, Graco or equal
- 3%-1/2 in. (9.5-12.7 mm) hose with .017 tip, 12 in. (30 cm) fan
- One coat as needed
- Compatible with most insulation and fireproofing spray-back products
- Spray at rate of 450 ft²/gal (11.0 m²/L)

Pre-Mixed Penetrating Application

For Spray-Applied Fire Resistive Material or Acoustical Insulation

- Deeper penetration at lower rate.
- Apply multiple coats in one application.
- Keep spray gun moving. Apply until surface glistens or material appears on surface. Apply heavy first coat using ²/₃ of the material.
- Let first coat dry 4 hours. Apply balance of the material.

Ground Sealer Application

For crawl spaces and other contaminated soil areas.

- Use airless spray equipment
- 3/8-1/2 in. (9.5-12.7 mm) hose with .022 tip, 12 in. (30 cm) fan
- Apply multiple coats in one application
- Keep spray gun moving. Apply until surface glistens or material appears on surface or as needed.
- Application rated 30 ft²/gal (.74 m²/L) per one inch (2.54 cm) of penetration.
 Rate may vary.
- Will not penetrate wet or clay earth.
- Rate of penetration will vary according to different soil conditions.

Availability

Serpiloc is available through authorized Grace Construction Products distributors.

Warranty

All statements, technical information and recommendations contained herein are based on tests we believe to be reliable. However, since the conditions of use and application are beyond our control, Grace Construction Products shall not be liable for any damage, direct or consequential, resulting from the use of this material or design. Grace Construction Products only warranty shall be to replace any of its products found to be defective.

Technical Support

Grace Construction Products provides technical support for all of its products, including Serpiloc. Call toll free at 866-333-3SBM (3726) for assistance in product selections. We provide engineering analysis for unique asbestos abatement applications. Material Safety Data Sheets are also available. More information is available at our web site, www.graceconstruction.com.



Technical Data (exceeds U.S. EPA Battelle Minimum Performance Standards)

Description	A ready-mixed coating material of vinyl-acrylics and water-based resir various flame retardant chemicals and fillers		
Color	Matte-white or clear		
Finish	Semi-gloss		
Surface Dust	None		
Fiber Dispersion	None - via P.L.M. 1000 x magnification scrub test		
Density	8.9 lbs/gal		
Viscosity	55-65 krebs units or stormer viscometer		
Percent of Solids	16.7% by weight		
Adhesion/Cohesion	Passes Battelle test, over 100% increased		
Water/Moisture Resistance	Excellent		
Odor	Odorless when dry, negligible when wet		
Gardner Impact Test	Exceeds EPA requirement		
Flame Spread (ASTM E84)	0		
Smoke Development (ASTM E84)	5		
Encapsulation Certification	ASTM P189 Specification for Encapsulant for Friable Asbestos-containing Building Materials		
Toxic Gas Release	Battelle: "well below danger level" Tested in accordance with the National Academy of Sciences		
Shelf Life	One year in closed original containers at room temperature		
Storage	40°F to 90°F (5°C to 30°C), protect from freezing		
Temperature Range	Up to 1800°F (981°C)		
Vapor Permeability	ASTM E96 0.50		
Life Expectancy	20 years+ per U.S. Testing Co. accelerated aging test		
Re-insulation Compatibility (Spray Back)	Tested at U.S. Testing Co., exceeds requirements for re-fireproofing per UL 263 and ASTM E119		

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For Technical Assistance call toll free at 866-333-3SBM (3726).



Visit our web site at www.graceconstruction.com



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🖟 R. Grace & Co.-Conn.

62 Whittemore Avenue

Cambridge, MA 02140

Serpiloc is a registered trademark of W. R. Grace & Co.-Conn.

We hope the information here will be helpful. It is based on data and knowledge considered to be true and accurate and is offered for the users' consideration, investigation and verification, but we do not warrant the results to be obtained. Please read all statements, recommendations or suggestions in conjunction with our conditions of sale, which apply to all goods supplied by us. No asternment, recommendation or suggestion is immended for any use which would infringe any parent or copyright. W. R. Grace & Co.-Conn., 62 Whittemore Avenue, Cambridge, MA 02140. In Canada, Grace Canada, Inc., 294 Clements Road, West, Ajax, Ontario, Canada L15 3C6.



Product Name: Serpiloc White MSDS ID Number: Z-01621

S ID Number: Z-01621 MSDS Date: 04/15/2004

SECTION 1 - CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name:

Serpiloc White

MSDS Number:

Z-01621

Cancelled MSDS Number:

Z-01563

MSDS Date:

04/15/2004

Chemical Family Name:

Filled Vinyl & Acrylic Emulsion

Product Use:

Pre-Mix Lock-Down Penetrating Asbestos Encapsulant

Chemical Formula:

Mixture-NA

CAS # (Chemical Abstracts Service

Mixture-NA

Number):

Manufactured by:

W.R.Grace & Co.-Conn.

Grace Canada, Inc.

62 Whittemore Avenue

294 Clements Road West

Cambridge, MA 02140

Ajax, Ontario L1S 3C6

In Case of Emergency Call:

In USA: (617) 876-1400 In Canada: (905) 683-8561

SECTION 2 - COMPOSITION/INFORMATION ON INGREDIENTS

Ingredient	CAS#	Percent (max)
2-Propenoic acid, butyl ester, polymer with ethenyl acetate	025067-01-0	1-10
Calcium carbonate	001317-65-3	1-10
Ethylene Glycol	000107-21-1	1-10
Magnesium Aluminum Silicate	012174-11-7	< 1
Quartz	014808-60-7	< 1
Titanium dioxide	013463-67-7	1-10

SECTION 3 - HAZARDS IDENTIFICATION

Emergency Overview:

Caution!

Causes eye irritation.

Causes skin irritation.

Causes respiratory tract irritation.

Causes digestive tract irritation if ingested.

May cause teratogenic and developmental toxic affects.

May cause sensitization.

HMIS Rating:

Health:

2*

Flammability:

0

Reactivity:

0

Personal Protective Equipment:

G (See Section 8)

Potential Health Effects:

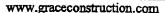
Inhalation:

Spray applications of this material may create aerosols which may be irritating to the upper respiratory tract, nose, and throat.

Vapors or mist in unusually high concentrations generated from spraying, heating or use in poorly ventilated areas can cause a burning sensation, shortness of breath, headache, nausea, coughing and wheezing. Prolonged or repeated overexposure may result in fluid in the lungs, chemical pneumonia and serious damage to lung tissue and respiratory tract. Absorption through the lungs may cause symptoms similar to those identified under ingestion.

Eye Contact:

Spray applications of this material may create aerosols which may be irritating to the eyes. Prolonged eye contact can result in redness and itching.



Product Name: Serpiloc White

MSDS ID Number: Z-01621 MSDS Date: 04/15/2004

: Skin Contact:

Skin contact causes irritation.

Prolonged skin contact can result in irritation causing redness and itching.

May cause sensitization.

Skin Absorption:

Not expected to be harmful if absorbed through the skin.

Ingestion:

If ingested, causes imitation to the linings of the mouth, esophagus and stomach.

Effects include: Drowsiness, nausea, fatigue, pulmonary edema (from aspiration into the lungs from vomiting), CNS depression, coma, headache, convulsions, irritation, Diethylene & Ethylene glycol can cause liver and kidney damage. Ethylene glycol has been shown to produce teratogenic and developmental toxic effects in laboratory animals.

SECTION 4 - FIRST AID MEASURES:

Skin Contact:

Wash with soap and water.

If discomfort or irritation persists, consult a physician.

Remove contaminated clothing and wash before reuse.

Eye Contact:

Flush eyes with water for at least 15 minutes while holding eyelids open.

If discomfort or irritation persists, consult a physician.

ingestion:

Do not induce vomiting.

Never give anything by mouth to an unconscious person.

If discomfort or imitation persists, consult a physician.

inhalation:

If symptoms develop, get fresh air. If symptoms persist, consult a physician.

If breathing has stopped, give artificial respiration then oxygen if needed.

SECTION 5 - FIRE AND EXPLOSION HAZARD DATA

Flash Point:

None (water base compound)

Flash Point Method:

Not Applicable

Lower Explosion Limit:

Not Available

Upper Explosion Limit:

Not Available

Auto-Ignition Temperature:

Not Available

NFPA Rating:

Health:

1

Flammability:

Ò

Reactivity:

0

Extinguishing Media: In case of fire, use water spray, dry chemical, Carbon dioxide or foam. **Special Fire Fighting Procedures:**

Wear self-contained breathing apparatus and complete personal protective equipment when potential for exposure to vapors or products of combustion exist. Isolate area and keep unnecessary people away.

Unusual Fire and Explosion Hazards:

None unless noted below

SECTION 6 - ACCIDENTAL RELEASE MEASURES:

Spills/Leaks:

Prevent spills from entering drinking water supplies, streams, or sewers.

Collect material with an inert, noncombustible material and remove for disposal.

Product Name: Serpiloc White

MSDS ID Number: Z-01621 MSDS Date: 04/15/2004

SECTION 7 - HANDLING AND STORAGE

Precautionary Measures:

Avoid inhalation of vapor. Keep containers tightly closed.

Avoid contact with eyes, skin and clothing.

Do not take internally.

Practice good personal hygiene to avoid ingestion.

Spray application requires use of respiratory protection.

Wash clothing before reuse.

FOR PROFESSIONAL USE ONLY. KEEP OUT OF CHILDREN'S REACH.

SECTION 8 - EXPOSURE CONTROLS AND PERSONAL PROTECTIVE EQUIPMENT EXPOSURE GUIDELINES (US)

Ingredient	ACGIH TLV			OSHA PEL			Other
	TWA	STEL	Ceiling	TWA	STEL	Ceiting	T
2-Propenoic acid, butyl ester, polymer with ethenyl acetate	-	-	-	-	-	•	-
Calcium carbonate	10 mg/m3 TWA (particulate matter containing no asbestos and <1% crystalline silica)	-	-	15 mg/m3 TWA (total dust); 5 mg/m3 TWA (respirable fraction)		-	-
Ethylene Glycol	-	-	100 mg/m3 Ceiling (aerosol only)	-	-	-	
Quartz ·	0.05 mg/m3 TWA (respirable fraction)	49	-	0.1 mg/m3 TWA (respirable dust)		-	-
Titanium dioxide	10 mg/m3 TWA	-	-	10 mg/m3 TWA (total dust)		-	-

Respirable Quartz (Crystalline silica) can result in lung disease (i.e. silicosis and or lung cancer). However, due to the physical nature of this product (liquid) exposures are not expected unless after product dries it is abraded and airborne dust is created.

EXPOSURE GUIDELINES (CANADA)

Employers should consult local Provincial regulatory limits for exposure guidelines which may vary locally.

Engineering Controls: Use local exhaust ventilation or increased general ventilation when possible.

Personal Protective Equipment:

Respiratory Protection: Respiratory protection is required during spray application. A dust/mist respirator such as a 3M Type P-95 or 3M Type 3-95 with organic vapor protection (or equivalent) is adequate. Specific working conditions, which must be assessed periodically, may require an increased level of respiratory protection. A respirator equipped with organic vapor cartridges may be required indoors and in other poorly ventilated areas. Respirators may not be required during non-spray applications and other specific situations. In all cases, maintain exposures below governmental limits specified in Section 2. (See Work/Hygenic Practices for additional information.)

Skin Protection: Impervious (PVC, latex or nitrile) gloves should be worn anytime direct contact is possible.

Eye Protection: Wear goggles to prevent exposure to high vapor or mist concentrations. Wear goggles or safety glasses with side shields and a full-face shield to prevent contact due to splashing. Work/Hygienic Practices: Work clothing with long sleeves/long pants and work boots must be worn. Clothing must be laundered before reuse. Disposable tyvek suits may be used during spray applications.



Product Name: Serpiloc White MSDS ID Number: Z-01621

MSDS Date: 04/15/2004

: This product contains compounds subject to exposure guidelines and/or identified as carcinogens. (See Sections 8 and 11). However, due to the physical nature of this product, these compounds are unlikely to reach exposure limits unless airborne dust or spray mist is created.

Quartz (Crystalline silica) is a naturally occurring mineral that is contained in the materials that are mined from the earth's surface such as sand, limestone, clay and gypsum (calcium sulfate). Total quartz is a value usually representing the combined fraction of large non-respirable sized particles and of resprable sized particles (less than ten micros in acrodynamic diameter). It is only the respirable sized fraction of total quartz that is recognized as hazardous by professionals in the field of Occupational Health and by most regulatory agencies.

This product contains compounds subject to exposure guidelines and/or identified as carcinogens (See section 8 and 11).

Due to the physical nature of this product, (liquid) these compounds are unlikely to reach exposure limits unless after product dries, it is abraded and airborne dust is created.

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

Physical State:

Appearance/Odor:

Odor Threshold: (ppm)

Vapor Pressure: (Mm Hg) Vapor Density: (Air = 1)

Solubility In Water:

Specific Gravity: (Water = 1)

Evaporation Rate: (Butyl Acetate = 1)

Boiling Point: Viscosity:

Bulk Density: (Pounds/Cubic Foot)(Pcf) (21°C)

% Voiatiles (gr/L): (70°F)

Liquid

White liquid, mild latex odor.

Not Determined Not Available Unknown

Appreciable Not Available

>1.0

>212°F/100°C Unknown Not Applicable

~80 %

SECTION 10 - STABILITY AND REACTIVITY

Chemical Stability:

Conditions To Avoid:

Strong oxidizers, Strong acids, Ammonium salts, flourine, maganese

trioxide, oxygen diflouride and chlorine trifluoride.

Hazardous Polymerization:

Will not polymerize.

Hazardous Decomposition

Products:

Carbon dioxide, Carbon monoxide, magnesium carbonate and lime.

SECTION 11 - TOXICOLOGICAL INFORMATION

Ingredient(No data unless listed.)

CAS Number

LD50 and LC50

Ethylene Glycol

000107-21-1

Inhalation LC50 Rat: 10876 mg/kg

Oral LD50 Rat: 4700 mg/kg Oral LD50 Mouse: 5500 mg/kg

Dermal LD5

Carcinogenicity:

Ingredient	IARC	IARC	IARC	NTP	NTP	OSHA
e	Group 1	Group 2A	Group 2B	Known	Suspect	00.17
2-Propenoic acid, butyl ester, polymer with ethenyl acetate	No	No	No	No	No	No
Calcium carbonate	No	No	No	No	No	No
Ethylene Glycol	No	No	No	No	No	No
Magnesium Aluminum Silicate	No	No	Yes	No	No	No
Quartz	Yes	No	No	Yes	Yes	No
Titanium dioxide	No	No	No	No	No	No

Product Name: Serpiloc White

MSDS ID Number: Z-01621 MSDS Date: 04/15/2004

Product contains less than 1% Quartz. Prolonged and repeated exposure to respirable Quartz (Crystalline silica) can decrease lung function and create risk of lung disease (i.e. silicosis and/or lung cancer). However, Quartz is not expected to be bio-available during routine use and application.

Mutagenicity:

Not applicable.

Teratogenicity:

Ethylene glycol contained in this product has been shown to produce

teratogenic effects in laboratory animals.

Reproductive Toxicity:

SECTION 12 - ECOLOGICAL INFORMATION

Environmental Fate:

No data available for product.

Ecotoxicity:

No data available for product.

SECTION 13 - DISPOSAL CONSIDERATIONS

Waste Disposal Procedures:

Consult all regulations (federal, state, provincial, local) or a qualified waste disposal firm when characterizing waste for disposal. According to EPA (40 CFR § 261), waste of this product is not defined as hazardous. Dispose of waste in accordance with all applicable regulations.

SECTION 14 - TRANSPORTATION INFORMATION

Proper Shipping Name:

Not Applicable

UN/NA Number:

Not Applicable

Domestic Hazard Class:

Nonhazardous

Surface Freight Classification:

Paint, Non Toxic

Label/Placard Required:

Not Applicable

SECTION 15 - REGULATORY INFORMATION

REGULATORY CHEMICAL LISTS:

CERCLA (Comprehensive Response Compensation and Liability Act):

(None present unless listed below)

Chemical Name

CAS#

Wt %

CERCLA RQ

Ethylene Glycol

000107-21-1

2.17

5000 lb final RQ: 2270 kg final RQ

SARA Title III (Superfund Amendments and Reauthorization Act)

SARA Section 312/Tier I & II Hazard Categories:

Health Immediate (acute)

Yes

Health Delayed (chronic)

Yes

Flammable

No

Reactive

No

Pressure

302 Reportable Ingredients (Identification Threshold 1%.):

Chemical Name

Wt %

SARA 302 TPQ

313 Reportable Ingredients (Chemicals present below reporting threshold are exempt):

Chemical Name	CAS#	Wt %
Acetaldehyde	00007 5-07-0	.00516
Chlorothalonil	001897-45-6	.0404
Ethylene Glycol	000107-21-1	2.17
Glycol ethers	RR-00067-9	.0028

Product Name: Serpiloc White

MSDS ID Number: Z-01621 MSDS Date: 04/15/2004

 Vinyl acetate
 000108-05-4
 .0129

 Zinc compounds
 RR-00578-7
 .94

National Volatile Organic Compound Emission Standards For Architectural Coatings:

Volatile Organic Content: (gr/L) 92.9 gr/L

WHMIS Classification(s):

D2 B

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR). This MSDS contains all the information required by the CPR.

State Regulatory Information:

California Proposition 65: WARNING! This product contains substances known to the state of California to cause cancer, birth defects or other reproductive harm.

Massachusetts Hazardous Substance List(Identification threshold 0.001%(1ppm)):

Chemical Name	CAS#	Wt %
Acetaldenyde	000075-07-0	.00516
Chlorothalonil	001897-45-6	.0404
Quartz	014808-60-7	.1
Vinyl acetate	000108-05-4	.0129

New Jersey Hazardous Substance List(Identification threshold (0.1%)):

Chemical Name	CAS#	Wt %
Ethylene Glycol	000107-21-1	2.17
Zinc compounds	RR-00578-7	.94

Pennsylvania Hazardous Substance List(Identification threshold 0.01%):

Chemical Name CAS# Wt %

CHEMICAL INVENTORY STATUS:

All chemicals in this product are listed or exempt from listing in the following countries:

US	CANADA		EUROPE	AUSTRALIA	JAPAN	KOREA	PHILIPPINES
TSCA	DSL	NDSL	EINECS/ELINCS	AICS	ENCS	ECL	PICCS
Yes	Not	Yes	Not	Not	Not	Not	Not
	Determined		Determined	Determined	Determined	Determined	Determined

SECTION 16 - OTHER INFORMATION

Non-Hazardous Ingredient Disclosure:

Chemical Name Water

CAS Number

007732-18-5

Prepared by: Approved by:

EH&S Department

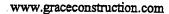
EH&S Department

Approved Date:

04/15/2004

Disclaimer:

"The data included herein are presented in accordance with various environment, health and safety regulations. It is the responsibility of a recipient of the data to remain currently informed on chemical hazard information, to design and update its own program and to comply with all national, federal, state and local laws and regulations applicable to safety, occupational health, right-to-know and environmental protection."



BULLWET

ASBESTOS WETTING AGENT

BULLWET IS A UNIQUE ASBESTOS WETTING COMPOUND, EXTREMELY EFFECTIVE FOR CONTROLLING AND REDUCING AIRBORNE PARTICULATE FIBER COUNT AND DUST DURING ASBESTOS REMOVALS, DEMOLITION WORK AND EFFECTING COMPLETE WET-OUT DURING CONTROL OF CONCENTRATION OF . SUPER ASBESTOS. Α FRIABLE INGREDIENTS FOR THOROUGH WET-OUT OF ASBESTOS ON CEILINGS. WALLS. INSULATIONS AND/OR DEMOLITION DUST. BULLWET IS A BIODEGRADABLE PRODUCT. BULLWET is a concentration of fluorochemical and octyphenol surfactants. This compound, when combined with water, dramatically improves liquid surface tension for maximum penetration. Additionally, BULLWET contains a defoamer for ease of handling.

DIRECTIONS

ASBESTOS REMOVAL

Mix 2-5 oz. of BullWet surfactant in 5 gallon of water. Thoroughly soak ceiling or exposed asbestos matrix area with a medium to fine spray. Use 100 to 150 gallons of BullWet mix per 1000 square feet of asbestos matrix for thicknesses of up to 1 inch. Proportionately, more should be used for thicker layers. Removal of asbestos should be done in small sections to maintain maximum wettness of responded for disposal as specified. Asbestos that has been wetted can be re-wetted with water when needed.

DUST CONTROL

Mix 10-16 ozs. of BullWet with 100 gallons of water to be used for wetting demolition and road dust. Road areas previously treated with BullWet solution can be re-wetted with plain water. Road area should be re-treated with solution when excess dusting becomes a problem.

PACKAGED:
5 Gallon Pails and 55 Gallon Drums
Distributed by:
Bullseye Environmental Corp.
7900 N. Radcliffe St., Bristol, PA 19007

7900 N. Raddiffe St., Bristof, FA 19007 Tel: 215-547-7700 • Fax 215-547-7800 Material Bafaty Data

BULLWET

CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Mfg. for: Bullseye Environmental 901 Canal St. Bristol, PA

COMPANY CONTACT: J. Schneider TELEPHONE NUMBER: (215)788-0700

EMERGENCY TELEPHONE NUMBER
INFOTRAC (800)535-5053 24 hours a day

Surface Tension: Undiluted is 36 dynes/cm.

PRODUCT NAME: BULLWET Asbestos Wetting Agent

COMPOSITION/INFORMATION ON INGREDIENTS

CONCENTRATION INGREDIENT NAME EXPOSURE LIKITS PERCENT BY WEIGHT NON-IONIC SURFACTANT No exposure limits established by 13.5 to 15.0 ACGIH or OSHA CAS NO. WITHHELD AS TRADE SECRET SORBITOL NON HAZARDOUS PER OSHA STANDARD CAS NUMBER: 50-70-4 1.0 to 5.0 29 CFR 1910:1200 TLV ACGIH: NOT LISTED

3. HAZARDS IDENTIFICATION

CAUTION

SKIN, EYE AND MUCOUS MEMBRANE IRRITANT. AVOID BREATHING MIST. KEEP OUT OF REACH OF CHILDREN.

POTENTIAL HEALTH EFFECTS

PRIMARY ROUTE(S) OF ENTRY Eyes: Yes Skin: Primary

Inhalation: Yes

Ingestion: Possible

Eye contact may cause irritation, pain or burns. Contact may also result in redness, swelling and mucous discharge.

Contact with the skin or mucous membranes may cause irritation.

Ingestion may cause irritation to the mouth, throat, esophagus and stomach. Gastrointestinal discomfort may be manifested as nausea, vomiting, lethargy, abdominal and lumbar pain, or diarrhea.

INHALATION Inhalation of vapors, mists or spray may cause irritation to the nose, throat

CHRONIC (CANCER INFORMATION)

Product Carcinogenicity -NTP: No

IARC: No OSHA: No

ACGIH: No

MEDICAL CONDITIONS AGGRAVATED BY OVEREXPOSURE Irritation from skin exposure may aggravate existing open wounds, skin disorders and dermatitis conditions. Individuals with preexisting disorders of the lungs should avoid exposure.

Revision Date: 1 /1 /01

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8 a fety Material Data Sheet

BULLWET

FIRST AID MEASURES

<u>EYES</u>

In case of contact with eyes, immediately flush with clean, low-pressure water for at least 15 minutes. Hold eyelids apart to ensure adequate flushing. If irritation persists, seek medical attention.

Remove contaminated clothing immediately. Wash hands thoroughly with soap and water after use or contact. See a physician if redness or irritation occurs. Launder clothing before reuse.

INGESTION

If swallowed, call a physician immediately. ONLY induce vomiting at the instructions of a physician. Never give anything by mouth to an unconscious

INHALATION
In case of inhalation, move person at once to fresh air and call a physician.

FIRE FIGHTING MEASURES

FLAMMABLE PROFERTIES FLASH POINT: Non-Combustible LOWER EXPLOSIVE LIMIT (%): N/A UPPER EXPLOSIVE LIMIT (%): N/A

FIRE AND EXPLOSION HAZARDS

Non-combustible.

EXTINGUISHING MEDIA

Use any extinguishing media which is suitable for the surrounding fire. Water spray or fog may be used to cool fire-exposed containers and structures. .

FIRE FIGHTING INSTRUCTIONS
Wear full protective clothing and self-contained breathing apparatus.

ACCIDENTAL RELEASE MEASURES

Ventilate area of spill or leak. Dike area ahead of spill to prevent entry into sewers or waterways. Absorb with suitable material or vacuum. Collect and place in suitable, labeled waste container. Rinse spill residue with water.

7. HANDLING AND STORAGE

HANDLING AND STORAGE PRECAUTIONS Store above 35 degrees F.

WORK/HYGIENIC PRACTICES

Use good personal hygiene. Wash hands and exposed skin with soap and water after handling. Launder contaminated clothing before reuse. Do not consume food, drink or tobacco products in areas where they may be contaminated by this material.

EXPOSURE CONTROLS/PERSONAL PROTECTION

ENGINEERING CONTROLS

If misting or spraying can occur, local exhaust ventilation should be used. dup above the exposure limits of the ingredients. If misting or spraying can

EYE/FACE PROTECTION

Use safety glasses, goggles or face shield to prevent accidental eye contact.

Revision Date: 1 /1 /01

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Material Safety Data

BULLWET

EXPOSURE CONTROLS/PERSONAL PROTECTION - Continued

SKIN PROTECTION

Neoprene, nitrile or latex rubber gloves should be used to prevent repeated contact.

RESPIRATORY PROTECTION

Not normally required.

9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE

A clear, slilghtly viscous liquid.

ODOR Mild to no odor.

BASIC PHYSICAL PROPERTIES

PHYSICAL STATE: Liquid

VAPOR PRESSURE: low

SPECIFIC GRAVITY: approx. 1 SOLUBILITY (H2O): completely

STABILITY AND REACTIVITY

STABILITY: stable

CONDITIONS TO AVOID (STABILITY)

None.

INCOMPATIBLE MATERIALS

None.

HAZARDOUS DECOMPOSITION PRODUCTS

Thermal decomposition may produce toxic and irritating vapors or gases.

HAZARDOUS POLYMERIZATION: will not occur

TOXICOLOGICAL INFORMATION 11.

SKIN EFFECTS

Skin Irritant.

12. ECOLOGICAL INFORMATION

OTHER ENVIRONMENTAL INFORMATION Keep out of sewers, drainage and waterways. Report spills and releases, as applicable, under federal and state regulations.

13. DISPOSAL CONSIDERATIONS

Consult state regulations. Dispose of waste in accordance with all applicable federal, state and local government regulation.

14. TRANSPORT INFORMATION

PROPER SHIPPING NAME: Not Regulated

Revision Date: 1 /1 /01

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BULLWET

CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Chemique, Inc. 315 N.Washington Ave. Moorestown, NJ 08057

COMPANY CONTACT: E. Drazga TELEPHONE NUMBER: (609)235-4161

EMERGENCY TELEPHONE NUMBER INFOTRAC (800)535-5053 24 hours a day

PRODUCT NAME: BULLWET Asbestos Wetting Agent

COMPOSITION/INFORMATION ON INGREDIENTS

****** EMERGENCY OVERVIEW

CONCENTRATION EXPOSURE LIKITS PERCENT BY WEIGHT INGREDIENT NAME No exposure limits established by 13.5 to 15.0 NON-IONIC SURFACTANT ACGIN OF OSEA CAS NO. WITHHELD AS TRADE SECRET 1.0 to 5.0 NON HAZARDOUS PER OSHA STANDARD BORBITOL 29 CFR 1910:1200 CAS NUMBER: 50-70-4 TLV ACGIN: NOT LISTED

3. HAMARDS IDENTIFICATION

CAUTION

* SKIN, EYE AND MUCOUS MEMBRANE IRRITANT. AVOID BREATHING MIST. KEEP OUT OF REACH OF CHILDREN.

POTENTIAL HEALTH EPPECTS

PRIMARY ROUTE(8) OF ENTRY
Eyes: Yes Skin: Primary Inhalation: Yes

Ingestion: Possible

Eye contact may cause irritation, pain or burns. Contact may also result in redness, swelling and mucous discharge.

Contact with the skin or mucous membranes may cause irritation.

INCESTION
Ingestion may cause irritation to the mouth, throat, esophagus and stomach. Gastrointestinal discomfort may be manifested as nausea, vomiting, lethargy, abdominal and lumbar pain, or diarrhea.

Inhalation of vapors, mists or spray may cause irritation to the nose, throat and respiratory tract.

CHRONIC (CANCER INFORMATION)
Product Carcinogenicity - NTP: No IARC: No OSHA: No ACGIH: No

MEDICAL CONDITIONS AGGRAVATED BY OVER EXPOSURE Irritation from skin exposure may aggravate existing open wounds, skin disorders and dermatitis conditions. Individuals with preexisting disorders of the lungs should avoid exposure.

Revision Date: 07/31/95

Page 1 of 4

BULLWET

8. EXPOSURE CONTROLS/PERSONAL PROTECTION - Continued

SKIN PROTECTION
Neoprene, nitrile or latex rubber gloves should be used to prevent repeated contact.

RESPIRATORY PROTECTION Not normally required.

9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE A clear, slilghtly viscous liquid.

ODOR Mild to no odor.

BASIC PHYSICAL PROPERTIES
PHYSICAL STATE: Liquid
VAPOR PRESSURE: low
SPECIFIC GRAVITY: approx. 1
SOLUBILITY (H2O): completely

10. STABILITY AND REACTIVITY

STABILITY: Stable bus and to the

CONDITIONS TO AVOID (STABILITY)
None.

INCOMPATIBLE MATERIALS

HAZARDOUS DECOMPOSITION PRODUCTS
Thermal decomposition may produce toxic and irritating vapors or gases.

HAZARDOUS POLYMERIEATION: will not occur

11. TOXICOLOGICAL INFORMATION

Skin EFFECTS Skin Irritant.

12. ECOLOGICAL INFORMATION

OTHER ENVIRONMENTAL INFORMATION
Keep out of sewers, drainage and waterways. Report spills and releases, as applicable, under federal and state regulations.

13. DISPOSAL CONSIDERATIONS

Consult state regulations. Dispose of waste in accordance with all applicable federal, state and local government regulation.

14. TRANSPORT INFORMATION

PROPER SHIPPING NAME: Not Regulated

Revision Date: 07/31/95

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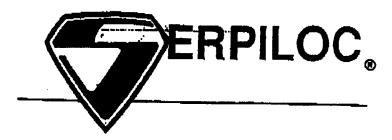
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#4

PRE-MIXED LOCK-DOWN PENETRATING ENCAPSULANT

- Lock-Down
- Penetrating Encapsulant
- Ground Sealer
- Non-Toxic
- Odorless
- Non-Combustible
- Meets or Exceeds EPA, OSHA, U.L. and ASTM Requirements





For All Areas From Which Asbestos Containing Materials Have Been Removed-And-Any Other Contaminated Surfaces.

Product Description:
A pre-mixed UL Classified asbestos
encapsulant for lock-down, penetrating and
ground sealer applications.

Pre-mixed Lock-Down (Post Removal)
Application

- Use airless spray equipment Bink, Grayco or equal.
- 3/8" (9.5mm) to 1/2" (12.7mm) hose w/.017 tip
 12 inch (30cm) fan.
- . One coat as needed.
- Compatible with most insulation and fireproofing spray-back products.
- Spray at rate of 450 sq. ft./gal, (11.1m²/L)

Pre-Mixed Penetrating Application For friable, porous, sprayed-on fireproof Accoustical Insulation up to 3/4" (1.91cm) thick or greater.

- Apply by airless spray.
- Application Rated 30 sq. ft. per gallon (.74m²/L) per 3/4" (1.91cm) of penetration.

- Deeper-penetration at: lower rate, · · · · · · · ·
- Apply multiple coats in one application.
- Keep spray gun moving. Apply until surface glistens or material appears on surface. Apply heavy 1st coat using 2/3 of material.
- . Let dry 4 hours. Apply balance of material.

Ground Sealer Application
For crawl spaces and other contaminated soil areas.

- Use airless spray equipment.
- 3/8" (9.5mm) to 1/2" (12.7mm) hose w/.022 tip
 12 inch (30cm) fan.
- Apply multiple coats in one application.
- Keep spray gun moving; apply until surface glistens or material appears on surface or as needed.
- Rate of 30 sq. it. per gal. (.74m²/L) per 1 inch (2.54cm) of penetration (average loose soil).
 Rate may vary
- . Will not penetrate wet or clay earth.
- Rate of penetration will vary according to different soil conditions



Pre-Mixed Lock-Down Penetrating Encapsulant



TECHNICAL DATA

EXCEEDS U.S.E.P.A. BATTELLE MINIMUM PERFORMANCE STANDARDS

Description

A ready-mixed coating material of vinyl-acryllos and water-based resins,

various flame retardant chemicals and fillers.

Color

Matte-white, clear or colored at no extra charge.

Finish

Semi-gloss

Surface Dusting

none

Fiber Dispersion

none - Via P.L.M. 1000 x magnification scrub test

Density

8.9 lbs. per gallon

Viscosity

55-65 krebs units or stormer viscometer

Percent of Solids

16.7% by weight

Adhesion-Cohesion

Passes Battelle test, over 100% increased

Water, Moisture Resistance

Excellent

Odor

Odorless when dry, negligible when wet

Gardner Impact Test

Exceeds E.P.A. requirement

Fire Resistance

ASTM E-84-84A rated 5

Toxic Gas Release

Battelle: "well below danger level" Tested in accordance with the National

Academy of Sciences.

Shelf Life

At least one year in closed original containers at room temperature

Packaging

5 gallon (18.93L) containers, 55 gallon (208L) drums

Storage

40°F to 90°F or 5°C to 30°C. Protect from freezing

Temp. Range

Up to 1800°F (981°C)

Vapor Permeability

ASTM E 96 0.50

Life Expectancy

20 years + per U.S. Testing Co. accelerated aging test

Re-Insulation Compatibility

(Spray Back)

Tested with W.R. Grace Co., exceeds all requirements for re-fireproofing per ASTM E-119, U.L. 263

IMPORTANT: The information contained herein is correct to the best of our knowledge and tests. The recommendations and suggestions contained herein are made without guarantee or representations as to results. We recommend that adequate tests be made by the purchaser to determine if a product is suitable for the intended purpose and use. Our only obligation shall be to replace or pay for any material proved defective by our faboratory within our published shall file period. Beyond the purchase price of materials supplied by us, we assume no liability for damages of any kind, and the user excepts the product "as is" and without warranties, expressed or implied. The suitability of these products for an intended use shall be solely up to the user.

FOR PROFESSIONAL USE ONLY

This literature supersedes all previous literature.



International Protective Coatings Corp.

729 Carol Avenue Oakhurst, NJ 67755 USA Toll Free: 1-800-334-8786 Phone: 908-531-3686 Fax: 908-531-5192

DISTRIBUTED BY							

Distribution conters located at Hallield, PA Santa Anna, CA

MATERIAL SAFETY DATA SHEET

LVI

Magufacturer's Name:

Emergency Telephone No.:

International Protective Coatings Corp.

(800) 424-9300

'25 Carol Ave

Jaichuret, NJ 07755

Information Telephone No.:

Date of preparation: October, 1996 Prepared By: M.Navarro

(908) 531-3666 (800)-334-8796

:SECTION I - PRODUCT IDENTIFICATION

HMR:

Product Name: Semijoc® Clear/White SSP05

PP Н

Product Class: Filled Vinvi & Acrylic Emulsion

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SECTION II - HAZARDOUS INGRÉDIENTS : . Zuc

CONTRACTOR OF THE PERSON AND THE PROPERTY.

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Occupational w. Exposure Limits

Ingredient

CAS Number

Percent

Ethylene Glycol 107-21-1

<3.0

50 ppm ACGIH TLV

. 12.30.

SECTION III - PHYSICAL DATA

Boiling Range; 212 °F (100° C)

Vapor Density: (Air = 1) >1.0

VOC'S: 0.23 of

Evaporation Rate: (ETHER= 1) >1.0

% Volatile By Volume: 80.0

Wgt/Gal: 10.0

Openiance and Odor: White liquid, mild latex odor,

Solubility in Water: Appreciable

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

Flammability Classification:

Flash Point: None (water base compound)

LEL: N/A

UEL: NA

Extinguishing Media: Foam, Alcohol Foam; CO2; Dry Chemical, Water Fog.

Unusual Fire And Explosion Hazards: This product will not burn, but may spatter if the temperature exceeds the boiling point. Dried film may burn in an intense fire.

SPECIAL FREFIGHTING PROCEDURES: Self contained breathing apparatus should be used, especially in closed areas such as warehouses.

SECTION V - HEALTH HAZARD DATA

Effects Of Overexposure:

Eyes: Iritation.

Sidn: Excessive exposure may cause drying and chapping.

Inhalation: May cause gaging, nausea and upper respiratory distress.

Ingestion: Possible nauses,

Medical Conditions Prono To Aggravation By Exposure: None Known

SERPILIDOS CLEAR/WHITE 89P05

Prinkiny Route(s) Of Entry: Dermai, inhalation, Ingestion.



Emergency and First Aid Procedures:

Eyes: Flush with water for 15 minutes. Do not rub. Consult physician it irritation persists

Skin: Wash with soap and water.

Inheletion: Remove to fresh air.

Ingestions Induce vaniting. Consult physician.

Chemical listed as a carcinoper or potential carsinogen:

NTP: NO

OSHA NO

LARC NO

4: 5

SECTION VI - REACTIVITY DATA

LVI

Stability: Stable

Falating to the con-Hazardous Polymerization: Will not occur.

Hezardous Decomposition Products: Primarily Carbon Monoride and or Carbon dioxide. Trace amounts of Nitrogen and asphyx-

Conditions to Avoid: Not Applicable.

manyor or a series

Incompatibility (materials to avoid): Strong Acids and Alkaline Agents.

SECTION VII - SPILL OR LEAK PROCEDURES

Stops to be taken in case material is released or spilled: Keep all speciators away. Uncontaminated material may be recovered and reused, if contaminated scoop into receptacle for disposal.

Waste Disposal Method: Allow material to dry. Dispose of solid waste in accordance with federal state and local regulations.

SECTION VIII - SAFE HANDLING & USE INFORMATION



Respiratory Protection: Use MSHA/NIOSH approved respirator in poorly ventilated areas. Ventilation: General (mechanical) room ventilation is to be satisfactory for normal usage.

Protective Gloves: Impervious.

Eye Protection: Safety Glasses or Goggles.

Other Protective Equipment: As needed.

Hygienic Practices; Avoid contact with skin and clothing, Wash after use and launder contaminated clothing before reuse.

SECTION IX - SPECIAL PRECAUTIONS

Precautions to be taken in Handling and Storage: Seal container when not in use. Store in well vantilated area.

Other Precautions: The information and recommendations offered herein, are for the users consideration and examination and is to be used in addition to all other information that is available and pertinent, it is the user's responsibility to determine the suitability of its specific conditions and particular use.

IMPORTANT NOTE: This information references the product itself, not in combination with any other material to which it may eventually be applied or come in contact with. The user must determine any local, state or federal regulations regarding the use and disposal of this product in conjunction with other materials which may be regulated (for example: Asbestos or asbestos containing materials).

BULLWET

ASBESTOS WETTING AGENT

BULLWET IS A UNIQUE ASSESTOS WETTING COMPOUND, EXTREMELY EFFECTIVE FOR CONTROLLING AND REDUCING AIRBORNE PARTICULATE FIBER COUNT AND DUST DURING ASSESTOS REMOVALS, DEMOLITION WORK AND EFFECTING COMPLETE WET-OUT DURING CONTROL OF FRIABLE ASSESTOS. A SUPER CONCENTRATION OF ACTIVE INGREDIENTS FOR THOROUGH WET-OUT OF ASSESTOS ON CEILINGS, WALLS. INSULATIONS AND/OR DEMOLITION DUST. BULLWET IS A BIODEGRADABLE PRODUCT BULLWET is a concentration of fluorochemical and octyphenol surfactants. This compound, when combined with water, dramatically improves liquid surface tension for maximum penetration. Additionally, BULLWET contains a defoamer for ease of handling.

DIRECTIONS

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DUST CONTROL

Mix 10-16 ozs. of BuliWet with 100 gallons of water to be used for wetting demolition and road dust. Road areas previously treated with BuliWet solution can be re-wetted with plain water. Road area should be re-treated with solution when excess dusting becomes a problem.

PACKAGED:

5 Gallon Pails and 55 Gallon Drums
Distributed by:
Bullseye Environmental Corp.
7900 N. Raddliffe St., Bristol, PA 19007
Tel: 215-547-7700 • Fax 215-547-7800

Meterial Jatety. D & & & BULLMER CREMICAL PRODUCT AND COMPANY IDENTIFICATION Mig. for: Bullseye Environmental 901 Canal St. Bristol, PA COMPANY CONTACT: J. Schneider TELEPHONE NUMBER: (215)788-0700 EMERGENCY TELEPHONE NUMBER
INFOTRAC (800)538-5053 24 hours a day Surface Tension: Undiluted is 35 dynes/cm. PRODUCT MAKE: BULLWET Asbestos Wetting Agent COMPOSITION/INFORMATION ON INGREDIENTS CONCENTRATION THEREDIAMY NAME EXPOSURE LINING PERCENT DY WEIGHT NON-JOHIC SURFACIANT No exposure limits established by 13.5 to 15.0 YOUTH OF DENY CAP NO. WITHHELD AS TRADE SECRET SOMUTOL MON MAZARDOVE PER COMA STANDARD 1.0 to \$.0 CAP NUMBER: 50-79-4 29 CPR 1910: 1200 TLV ACCIR: NOT LISTED 3. HAZARDS IDENTIFICATION CAUTION * SKIN, BYB AND MUCOUS MEMBRANE IRRITARY. AVOID BREATHING MIST. KREP OUT **OF REACH OF CHILDREN. POTENTIAL HEALTH EFFECTS PRIMARY ROUTE(S) OF EMTRY Eyes: Yes Skin: Frimary Inhalation: Yes Ingestion: Possible Eye contact may cause irritation, pain or burns. Contact may also result in redness, swelling and mucous discharge. Contact with the skin or mucous membranes may cause irritation. IMPORTION
Ingestion may cause irritation to the mouth, throat, esophagus and stomach. Gastrointestinal discomfort may be manifested as naused, vomiting, lethargy, abdominal and lumbar pain, or diarrhea. IMPALATION Inhalation of vapors, mists or spray may cause insitation to the nose, throat and respiratory tract. OMRONIC (CANCER LEFORMATION) Product Cardinogenicity -NTP: No IARC: No OSHA: No ACGIH: No MEDICAL COMPITIONS AGURAVATED BY OVEREIPOSURE

Irritation from skin exposure may aggravate existing open wounds, skin disorders and dermatitis conditions. Individuals with preexisting disorders of the lungs should evoid exposure.

Revision Date: 1 /1 /01

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Material Safety Data sheat

BULLMET

4. PIRSW AID MEASURES

To case of contact with eyes, immediately flush with clean, low-pressure water for at least 15 minutes. Hold eyelids apart to ensure adequate flushing. If irritation persists, seek medical attention.

SKIN
Remove contaminated clothing immediately. Wash hands thoroughly with scap
and water after use or contact. See a physician if redness or irritation
cocurs. Launder clothing before reuse.

THERSTION

If swallowed, call a physician immediately. ONLY induce vomiting at the instructions of a physician. Never give anything by mouth to an unconscious person. Drink one or two glasses of water.

In case of inhalation, move person at once to fresh air and call a physician.

5. FIRE FIGHTING MEASURES

FLANCABLE PROPERTIES
FLASH POINT: Non-Combustible
LOWER BRILOSIVE LIMIT (%): N/A
UPPER EXPLOSIVE LIMIT (%): N/A

FIRE AND EXPLOSION SAXARDS Non-combustible.

Extinguishing media which is suitable for the surrounding fire. Water spray or fog may be used to cool fire-exposed containers and structures.

FIRE FIGHTING INSTRUCTIONS
Wear full protective clothing and self-contained breathing apparatus.

6. ACCIDENTAL RELEASE MEASURES

Ventilate area of spill or leak. Dike area ahead of spill to prevent entry into sewers or waterways. Absorb with suitable material or vacuum. Collect and place in suitable, labeled waste container. Rines spill residue with water.

7. HANDLING AND STORAGE

EANDLING AND STORAGE PRECADITIONS Store above 35 degrees F.

WORK/HYGING PRACTICES
Use good personal hygiene. Wash hands and exposed skin with soap and water
after handling. Launder contaminated clothing before reuse. Do not consume
food, drink or tobacco products in areas where they may be contaminated by
this material.

8, EXPOSURE CONTROLS/PERSONAL PROTECTION

ENGINEERING CONTROLS

If misting or spraying can occur, local exhaust ventilation should be used. dup above the exposure limits of the ingredients. If misting or spraying can

EYE/FACE PROTECTION
Use safety glasses, goggles or face shield to prevent accidental gye contact.

Revision Date: 1 /1 /01

Material safety Date * b a a t BULLWET 8. EXPOSORE CONTROLS/PERSONAL PROTECTION - Continued KIN PROTECTION Neoprene, nitrile or latex rubber gloves should be used to prevent repeated contact. RESPIRATORY PROTECTION Not normally required. 9. PHYSICAL AND CHEMICAL PROPERTIES APPERENCE A clear, sliightly viscous liquid. Obor Mild to no odor. BASIC PHYSICAL PROPERTIES PHYSICAL STATE: Liquid VAPOR PRESSURE: low SPECIFIC GRAVITY: approx. 1 solubility (#20): completely 10. STABILITY AND REACTIVITY STABILITY: stable CONDITIONS TO AVOID (STABILITY) None, INCOMPATIBLE MATERIALS None. HAVARDOUS DECOMPOSITION PRODUCTS
Thermal decomposition may produce toxic and irritating vapors or gases. EXEARDOUS POLYERISAWION: Will not occur 11. TOXICOLOGICAL INFORMATION SKIN EFFECTS Skin Irritant. 12. MCOLOGICAL IMPORMATION Office Environmental Information
Keep out of sewers, drainage and waterways. Rep
applicable, under federal and state regulations. Report spills and releases, as 13. DISPOSAL CONSIDERATIONS Consult state regulations. Dispose of waste in accordance with all applicable federal, state and local government regulation. TRANSPORT INFORMATION PROPER SKIPPING NAME: Not Regulated

Natorial Safety Data Sheet

BULLWET

15. REGULATORY INFORMATION

D.S. FIDERAL REGULATORY IMPURMATION
Any spill or uncontrolled release of this product, including any substantial threat of release, may be subject to federal reporting requirements. Consult those regulations applicable to your facility/operation.

Any spill or uncontrolled release of this product may be subject to state and/or local reporting requirements. This product and/or its constituents may also be subject to other regulations, such as right-to-know, at the state or local level. Consult those regulations applicable to your facility.

16. OTHER INFORMATION

HMIS HAZARD RATING - REALTH: 2 Moderate - FIRE: 0 Negligible - REACTIVITY: 0 Negligible

NFPA HARARD RATING - HEALTH: 2 Moderate - FIRE: 0 Negligible - REACTIVITY: 0 Negligible

DISCLAIMER OF EIFRESSED AND IMPLIED WARRANTIES
Although reasonable care has been taken in the preparation of this document, we extend no warranties and make no representations as to the acturacy or completeness of the information contained therein, and assume no responsibility regarding the auttability of this information for the user's intended purposes or for the consequences of its use. Each individual should make a determination as to the suitability of the information for their particular purpose(s).

Mfg. for: Bullseys Environmental